

| Contract Number | Performer Name                                | Agent Name                                | Program Name   | Office | Program Manager       | FY   | Obligated |
|-----------------|---|---|--|--------|-----------------------|------|-----------|
| D06PC60094      | System Planning Corporation                   | Dept of Interior/National Business Center | TT-07 Studies  | TTO    | David L. Neyland      | 2011 | 282,000   |
| D07PC60100      | SRS Technologies                              | Dept of Interior/National Business Center | Communications in Extreme Environments                       | STO    | Bruce Fette           | 2011 | 66,343    |
| D10PC20002      | Physical Optics Corporation                   | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 374,990   |
| D10PC20008      | Science Application International Corporation | Dept of Interior/National Business Center | RATS   | I2O    | Bonnie Dorr           | 2011 | 405,972   |
| D10PC20015      | BBN Technologies                              | Dept of Interior/National Business Center | RATS   | I2O    | Bonnie Dorr           | 2011 | 4,293,372 |
| D10PC20016      | University of Pennsylvania                    | Dept of Interior/National Business Center | RATS   | I2O    | Bonnie Dorr           | 2011 | 825,852   |
| D10PC20024      | SRI International                             | Dept of Interior/National Business Center | RATS   | I2O    | Bonnie Dorr           | 2011 | 4,192,616 |
| D10PC20025      | MagIQ Technologies, Inc.                      | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 374,834   |
| D10PC20063      | Banpil Photonics, Inc.                        | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 375,000   |
| D10PC20068      | Tanner Research, Inc.                         | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 374,573   |
| D11AP00275      | Carnegie Mellon University                    | Dept of Interior/National Business Center | Mind's Eye   | I2O    | James Donlon          | 2011 | 165,440   |
| D11PC20004      | International Mezzo Technologies, Inc.        | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 149,570   |
| D11PC20005      | Enig Associates, Inc.                         | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 205,365   |
| D11PC20007      | C & P Technologies, Inc.                      | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR   | Susan Nichols         | 2011 | 374,993   |
| D11PC20013      | Advanced Fuel Research, Inc.                  | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 312,833   |
| D11PC20014      | AeroVironment, Inc                            | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 234,534   |
| D11PC20016      | University of California, Davis               | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 490,000   |
| D11PC20017      | BBNT Solutions LLC                            | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 600,000   |
| D11PC20018      | Booz, Allen & Hamilton, Inc.                  | Dept of Interior/National Business Center | Chemical Reconnaissance                                      | STO    | Brent Appleby         | 2011 | 3,347,000 |
| D11PC20018      | Booz, Allen & Hamilton, Inc.                  | Dept of Interior/National Business Center | STO Management - NET-01                                      | STO    | Patrick W. Bailey     | 2011 | 1,500,000 |
| D11PC20019      | Palo Alto Research Center (PARC) Incorporated | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 1,025,000 |
| D11PC20022      | Mobile Technologies, LLC                      | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 500,000   |
| D11PC20024      | University of California, Irvine              | Dept of Interior/National Business Center | CRASH Clean-slate Resilient, Adaptive, Secure Hosts          | I2O    | Howard Shrobe         | 2011 | 174,441   |
| D11PC20024      | University of California, Irvine              | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 150,000   |
| D11PC20025      | Carnegie Mellon University                    | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 290,000   |
| D11PC20026      | Vanderbilt University                         | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 295,000   |
| D11PC20036      | ArchieMD, Inc.                                | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 391,265   |
| D11PC20037      | Aurora Flight Sciences Corporation            | Dept of Interior/National Business Center | Transformative Apps  | I2O    | Mari Maeda            | 2011 | 100,638   |
| D11PC20047      | Advanced Resource Technologies Inc.           | Dept of Interior/National Business Center | Administrative Services                                      | SSO    | Robert Copeland       | 2011 | 500,000   |
| D11PC20047      | Advanced Resource Technologies Inc.           | Dept of Interior/National Business Center | Business Process Analysis                                    | SSO    | Carla Little-Kopach   | 2011 | 1,200,000 |
| D11PC20047      | Advanced Resource Technologies Inc.           | Dept of Interior/National Business Center | Facility Services  | SSO    | Mark Swanstrom        | 2011 | 1,054,328 |
| D11PC20047      | Advanced Resource Technologies Inc.           | Dept of Interior/National Business Center | HQ TRAVEL  | SSO    | Robert Copeland       | 2011 | 175,305   |
| D11PC20047      | Advanced Resource Technologies Inc.           | Dept of Interior/National Business Center | Policy, Recds, Res Svcs                                      | SSO    | Jon Borden            | 2011 | 1,762,945 |
| D11PC20048      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | AEO Management (MBT-01)                                      | AEO    | Jeanette Milos        | 2011 | 1,007,806 |
| D11PC20048      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | AEO Management (TT-04)                                       | AEO    | Jeanette Milos        | 2011 | 203,428   |
| D11PC20048      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | DARPA AEO Support (NET-01)                                   | AEO    | John Pollock          | 2011 | 98,181    |
| D11PC20048      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | I2O Mgmt Initiatives IT-03                                   | I2O    | Wendy Smith           | 2011 | 123,190   |
| D11PC20049      | ManTech Systems Engineering Corp              | Dept of Interior/National Business Center | AEO Management (MBT-01)                                      | AEO    | Jeanette Milos        | 2011 | 516,542   |
| D11PC20049      | ManTech Systems Engineering Corp              | Dept of Interior/National Business Center | AEO Management (NET-01)                                      | AEO    | Jeanette Milos        | 2011 | 200,000   |
| D11PC20049      | ManTech Systems Engineering Corp              | Dept of Interior/National Business Center | AEO Management (SPC-01)                                      | AEO    | Jeanette Milos        | 2011 | 300,000   |
| D11PC20050      | Centra Technology Inc.                        | Dept of Interior/National Business Center | AEO Management (TT-04)                                       | AEO    | Jeanette Milos        | 2011 | 370,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | 7-Day Biodefense   | DSO    | Michael Callahan      | 2011 | 127,555   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | ADEPT  | DSO    | Daniel Wattendorf     | 2011 | 104,500   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | AEO Management (MBT-01)                                      | AEO    | Jeanette Milos        | 2011 | 31,000    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Advanced Structural Fiber                                    | DSO    | Brian Holloway        | 2011 | 130,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Antibody Technology Program (ATP)                            | DSO    | Mildred Donlon        | 2011 | 123,771   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Basic Research on Ionospheric Characteristics and Effects    | DSO    | Matthew Goodman       | 2011 | 115,087   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Biochronicity  | DSO    | Christian Macedonia   | 2011 | 99,226    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Bioinspired Photonics  | DSO    | Jamil Abo-Shaer       | 2011 | 25,000    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Blood Pharming   | DSO    | Daniel Wattendorf     | 2011 | 295,481   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Chemical Analysis Sans Machinery (CASM)                      | DSO    | Tanya M. Tanner       | 2011 | 400,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Chronicle of Lineage Indicative of Origins (CLIO)            | DSO    | Michael Callahan      | 2011 | 90,000    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Cognitive Technology Threat Warning Systems (CT2WS)          | DSO    | Gill Pratt            | 2011 | 159,064   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures   | DSO    | Jamil Abo-Shaer       | 2011 | 24,376    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | ENABLING STRESS RESISTANCE (ESR)                             | DSO    | Christian Macedonia   | 2011 | 367,797   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Education Dominance  | DSO    | William Casebeer      | 2011 | 56,000    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Heterostructural Uncooled Magnetic Sensors (HUMS)            | DSO    | William Coblenz       | 2011 | 144,750   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Hybrid Multi-Material Rotor (HMRR)                           | DSO    | Christopher L. Warren | 2011 | 146,898   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Integrated High Energy Density Capacitors (IHEDC)            | DSO    | Jamil Abo-Shaer       | 2011 | 6,000     |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Low-Cost Light Weight Portable Photovoltaics (PoP) DSO       | DSO    | Cynthia Daniell       | 2011 | 55,847    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | MANAGEMENT FOR OFFICE  | DSO    | Tanya M. Tanner       | 2011 | 400,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Management for Office  | DSO    | Tanya M. Tanner       | 2011 | 32,746    |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Management for Office  | DSO    | Tanya M. Tanner       | 2011 | 3,898,177 |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Management for Office  | DSO    | Tanya M. Tanner       | 2011 | 311,638   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Management for Office (NET-01)                               | DSO    | Tanya M. Tanner       | 2011 | 325,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Maritime Armor   | DSO    | Christopher L. Warren | 2011 | 373,856   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Materials with Controlled Microstructural Architecture(MCMA) | DSO    | Judah Goldwasser      | 2011 | 101,732   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Materials with Novel Transport Properties (MANTRA)           | DSO    | Cynthia Daniell       | 2011 | 285,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Mathematics of Sensing, Exploitation and Execution (MSEE)    | DSO    | Anthony Falcone       | 2011 | 135,257   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Maximum Mobility and Manipulation (M3)                       | DSO    | Gill Pratt            | 2011 | 135,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | NANO COMPOSITE OPTICAL CERAMICS (NCOC)                       | DSO    | William Coblenz       | 2011 | 113,393   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | NeoVision 2  | DSO    | Gill Pratt            | 2011 | 268,273   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Nimbus   | DSO    | Matthew Goodman       | 2011 | 100,000   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Open Manufacturing   | DSO    | Michael Maher         | 2011 | 552,516   |
| D11PC20051      | Strategic Analysis, Inc.                      | Dept of Interior/National Business Center | Physical Intelligence  | DSO    | Todd Hylton           | 2011 | 65,265    |

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|------------|------------------------------|---|---|------|-----------------------|------|---------|
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Prophecy (Pathogen Defeat)                                    | DSO  | Michael Callahan      | 2011 | 204,399 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | QORS  | DSO  | Matthew Goodman       | 2011 | 12,838  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Quantum Orbital Resonance Spectroscopy (QORS)                 | DSO  | Matthew Goodman       | 2011 | 62,352  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY   | DSO  | Geoffrey Ling         | 2011 | 144,530 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Rapid Altitude and Hypoxia Acclimatization (RAHA)             | DSO  | Michael Callahan      | 2011 | 436,405 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Reactive Material Structures (DSO)                            | DSO  | Judah Goldwasser      | 2011 | 30,000  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Restorative Encoding Memory Integration Neural Device(REMIND) | DSO  | Geoffrey Ling         | 2011 | 283,535 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | SToRYNET  | DSO  | William Casebeer      | 2011 | 170,584 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Sensor Topology for Minimal Planning (SToMP)                  | DSO  | Anthony Falcone       | 2011 | 13,946  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Soldier Protection Systems                                    | DSO  | Judah Goldwasser      | 2011 | 390,000 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | SyNAPSE   | DSO  | Todd Hylton           | 2011 | 92,522  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | THERMO-TUNNELING POWER GENERATION                             | DSO  | Tanya M. Tanner       | 2011 | 28,055  |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Tactical Advanced Power (TAP)                                 | DSO  | Brian Holloway        | 2011 | 142,699 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Topologically Ordered Armor (TOA)                             | DSO  | Judah Goldwasser      | 2011 | 116,000 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Wound Stasis System   | DSO  | Brian Holloway        | 2011 | 267,000 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Young Faculty Award (YFA)                                     | DSO  | William Casebeer      | 2011 | 160,340 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Z-MAN   | DSO  | Matthew Goodman       | 2011 | 216,000 |
| D11PC20051 | Strategic Analysis, Inc.     | Dept of Interior/National Business Center | Zeno-Based Opto-Electronics (ZOE)                             | DSO  | Matthew Goodman       | 2011 | 108,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | 23 Mathematical Challenges                                    | DSO  | Anthony Falcone       | 2011 | 34,745  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | 7-Day Biodefense  | DSO  | Michael Callahan      | 2011 | 55,782  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | ADEPT   | DSO  | Daniel Wattendorf     | 2011 | 144,400 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Advanced Structural Fiber                                     | DSO  | Brian Holloway        | 2011 | 264,203 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Autonomous Robotic Manipulation (ARM)                         | DSO  | Gill Pratt            | 2011 | 70,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Battlefield Medicine  | DSO  | Geoffrey Ling         | 2011 | 155,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Bioinspired Photonics   | DSO  | Jamil Abo-Shaer       | 2011 | 269,106 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Blood Pharming  | DSO  | Daniel Wattendorf     | 2011 | 43,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures    | DSO  | Jamil Abo-Shaer       | 2011 | 77,526  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | DIRO DSRC   | COMP | Jeanette Milos        | 2011 | 999,998 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Focus Areas in Theoretical Mathematics (FATHM)                | DSO  | Anthony Falcone       | 2011 | 20,666  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Heterostructural Uncooled Magnetic Sensors (HUMS)             | DSO  | William Coblenz       | 2011 | 69,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Hybrid Multi-Material Rotor (HMRR)                            | DSO  | Christopher L. Warren | 2011 | 282,414 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Information in a Photon (InPho)                               | DSO  | Mark Neifeld          | 2011 | 400,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Integrated High Energy Density Capacitors (IHEDC)             | DSO  | Jamil Abo-Shaer       | 2011 | 57,202  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Knowledge Enhanced Compressive Measurement (KECoM)            | DSO  | Mark Neifeld          | 2011 | 242,052 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | MANAGEMENT FOR OFFICE   | DSO  | Tanya M. Tanner       | 2011 | 95,828  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Management for Office   | DSO  | Tanya M. Tanner       | 2011 | 236,900 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Management for Office   | DSO  | Tanya M. Tanner       | 2011 | 339,106 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Management for Office (NET-01)                                | DSO  | Tanya M. Tanner       | 2011 | 50,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Materials with Controlled Microstructural Architecture(MCMA)  | DSO  | Judah Goldwasser      | 2011 | 150,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Mathematics of Sensing, Exploitation and Execution (MSEE)     | DSO  | Anthony Falcone       | 2011 | 264,037 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Maximum Mobility and Manipulation (M3)                        | DSO  | Gill Pratt            | 2011 | 130,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | NANO COMPOSITE OPTICAL CERAMICS (NCOCC)                       | DSO  | William Coblenz       | 2011 | 111,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Nanostructured Materials for Power                            | DSO  | Brian Holloway        | 2011 | 160,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | NeoVision 2   | DSO  | Gill Pratt            | 2011 | 99,904  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Optical Lattice Emulator                                      | DSO  | Jamil Abo-Shaer       | 2011 | 370,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Physical Intelligence   | DSO  | Todd Hylton           | 2011 | 197,265 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Prophecy (Pathogen Defeat)                                    | DSO  | Michael Callahan      | 2011 | 75,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Quantum Effects in Biological Environments (QuBE)             | DSO  | Matthew Goodman       | 2011 | 246,646 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Quantum-Assisted Sensing and Readout (QuASAR)                 | DSO  | Jamil Abo-Shaer       | 2011 | 431,412 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY   | DSO  | Geoffrey Ling         | 2011 | 484,825 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Rapid Altitude and Hypoxia Acclimatization (RAHA)             | DSO  | Michael Callahan      | 2011 | 346,620 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Reactive Material Structures (DSO)                            | DSO  | Judah Goldwasser      | 2011 | 40,000  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Restorative Encoding Memory Integration Neural Device(REMIND) | DSO  | Geoffrey Ling         | 2011 | 300,158 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Revolutionizing Prosthetics                                   | DSO  | Geoffrey Ling         | 2011 | 421,363 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Sensor Topology for Minimal Planning (SToMP)                  | DSO  | Anthony Falcone       | 2011 | 28,952  |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Soldier Protection Systems                                    | DSO  | Judah Goldwasser      | 2011 | 121,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Soldier-Centric Imaging via Computational Cameras (SCENICC)   | DSO  | Mark Neifeld          | 2011 | 260,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Soldier-Centric Imaging via Computational Cameras (SCENICC)   | DSO  | Mark Neifeld          | 2011 | 225,000 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | SyNAPSE   | DSO  | Todd Hylton           | 2011 | 314,419 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | THERMO-TUNNELING POWER GENERATION                             | DSO  | Tanya M. Tanner       | 2011 | 208,307 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Tactical Advanced Power (TAP)                                 | DSO  | Brian Holloway        | 2011 | 424,163 |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Wound Stasis System   | DSO  | Brian Holloway        | 2011 | 2,500   |
| D11PC20063 | Booz, Allen & Hamilton, Inc. | Dept of Interior/National Business Center | Z-MAN   | DSO  | Matthew Goodman       | 2011 | 54,588  |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | ADEPT   | DSO  | Daniel Wattendorf     | 2011 | 60,000  |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Advanced Structural Fiber                                     | DSO  | Brian Holloway        | 2011 | 245,152 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Antibody Technology Program (ATP)                             | DSO  | Mildred Donlon        | 2011 | 207,290 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Autonomous Robotic Manipulation (ARM)                         | DSO  | Gill Pratt            | 2011 | 230,000 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Basic Research on Ionospheric Characteristics and Effects     | DSO  | Matthew Goodman       | 2011 | 164,500 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Battlefield Medicine  | DSO  | Geoffrey Ling         | 2011 | 35,000  |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Blood Pharming  | DSO  | Daniel Wattendorf     | 2011 | 201,558 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Education Dominance   | DSO  | William Casebeer      | 2011 | 135,000 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Hybrid Multi-Material Rotor (HMRR)                            | DSO  | Christopher L. Warren | 2011 | 401,794 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | MANAGEMENT FOR OFFICE   | DSO  | Tanya M. Tanner       | 2011 | 100,000 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Management for Office   | DSO  | Tanya M. Tanner       | 2011 | 87,667  |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Management for Office   | DSO  | Tanya M. Tanner       | 2011 | 360,036 |
| D11PC20064 | System Planning Corporation  | Dept of Interior/National Business Center | Management for Office (NET-01)                                | DSO  | Tanya M. Tanner       | 2011 | 75,000  |

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| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | NeoVision 2  | DSO  | Gill Pratt         | 2011 | 704,802 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Nimbus   | DSO  | Matthew Goodman    | 2011 | 250,000 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Physical Intelligence  | DSO  | Todd Hylton        | 2011 | 130,530 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Prophecy (Pathogen Defeat)                                   | DSO  | Michael Callahan   | 2011 | 180,968 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY  | DSO  | Geoffrey Ling      | 2011 | 10,000  |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Restorative Encoding Memory Integration Neural Device(REMIND | DSO  | Geoffrey Ling      | 2011 | 119,858 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Revolutionizing Prosthetics                                  | DSO  | Geoffrey Ling      | 2011 | 69,000  |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | SyNAPSE  | DSO  | Todd Hylton        | 2011 | 298,567 |
| D11PC20064 | System Planning Corporation         | Dept of Interior/National Business Center | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway     | 2011 | 146,000 |
| D11PC20083 | Vecna Technologies Inc.             | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 99,000  |
| D11PC20084 | Berkeley Exoworks                   | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 49,974  |
| D11PC20084 | Berkeley Exoworks                   | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,467  |
| D11PC20085 | Vishwa Robotics & Automation LLC    | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,853  |
| D11PC20086 | Meka Robotics, LLC                  | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,963  |
| D11PC20087 | Cyphy Works, Inc.                   | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,419  |
| D11PC20088 | Magzor Corporation                  | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 49,875  |
| D11PC20088 | Magzor Corporation                  | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,891  |
| D11PC20089 | Charles River Analytics, Inc.       | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 49,906  |
| D11PC20089 | Charles River Analytics, Inc.       | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,955  |
| D11PC20090 | Scientific Systems Company          | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,969  |
| D11PC20091 | Innovega Inc.                       | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,913  |
| D11PC20092 | Nano-Terra, Inc                     | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 49,990  |
| D11PC20092 | Nano-Terra, Inc                     | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,979  |
| D11PC20093 | Omega Optics, Inc.                  | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,907  |
| D11PC20094 | AppliFlex LLC                       | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,996  |
| D11PC20095 | TeraDiode, Inc.                     | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 49,914  |
| D11PC20095 | TeraDiode, Inc.                     | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,948  |
| D11PC20096 | NLight Photonics                    | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,622  |
| D11PC20097 | Optigrate                           | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 99,000  |
| D11PC20098 | Oceanit Laboratories Inc.           | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 99,000  |
| D11PC20099 | CFD Research Corporation            | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,908  |
| D11PC20100 | CoMMET, LLC                         | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,929  |
| D11PC20101 | Toyon Research Corp.                | Dept of Interior/National Business Center | SBIR Increments/MODs   | SBIR | Susan Nichols      | 2011 | 50,000  |
| D11PC20101 | Toyon Research Corp.                | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 99,000  |
| D11PC20102 | Coherent Logix, Incorporated        | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,999  |
| D11PC20103 | Intelligent Automation, Inc.        | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 99,000  |
| D11PC20104 | Donald L. Blount & Associates, Inc. | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,678  |
| D11PC20105 | Vehicle Control Technologies, Inc.  | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,995  |
| D11PC20106 | Cesaroni Technology, Inc.           | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols      | 2011 | 98,997  |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | (STT-RAM)Spin Torque Transfer-Random Access Memory           | MTO  | Devanand K. Shenoy | 2011 | 210,189 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | ART (Adaptive RF Tech)                                       | MTO  | William Chappell   | 2011 | 299,725 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | AWARE  | MTO  | Nibir Dhar         | 2011 | 390,028 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Analog-to-Information (A-to-I)                               | MTO  | Daniel Purdy       | 2011 | 520,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht      | 2011 | 150,838 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht      | 2011 | 459,754 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Dialysis Like Therapeutics                                   | MTO  | Timothy Broderick  | 2011 | 186,600 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Diverse & Accessible Heterogeneous Integration               | MTO  | Sanjay Raman       | 2011 | 531,845 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | ELASTX   | MTO  | Sanjay Raman       | 2011 | 137,895 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | EXCALIBUR  | MTO  | Joseph A. Mangano  | 2011 | 100,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | EXCALIBUR  | MTO  | Joseph A. Mangano  | 2011 | 572,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | GRATE  | MTO  | Carl McCants       | 2011 | 280,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | HEALICS  | MTO  | Sanjay Raman       | 2011 | 224,705 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | High Frequency Integrated Vacuum Electronics (HIFIVE)        | MTO  | John Albrecht      | 2011 | 25,000  |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 450,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | LEAP(Leading Edge Access Program)                            | MTO  | Carl McCants       | 2011 | 100,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Living Foundries   | MTO  | Alicia Jackson     | 2011 | 172,080 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Low Cost Thermal Imager (LCTI-M)                             | MTO  | Nibir Dhar         | 2011 | 105,230 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | MASKLESS NANOWRITER  | MTO  | Joseph A. Mangano  | 2011 | 300,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | MTO Management   | MTO  | Barbara Pica       | 2011 | 400,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | MTO Management (NET-02)                                      | MTO  | Barbara Pica       | 2011 | 411,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Microscale Power Conversion                                  | MTO  | John Albrecht      | 2011 | 158,997 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | NANO ELECTRO MECHANICAL COMPUTERS(NEMS)                      | MTO  | Tayo Akinwande     | 2011 | 117,373 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | NITRIDE ELECTRONIC NEXT GENERATION TECHNOLOGY(NEXT)          | MTO  | John Albrecht      | 2011 | 403,628 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Nanoscale Architecture for Coherent Hyper-Optic Sources      | MTO  | Scott Rodgers      | 2011 | 221,217 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)           | MTO  | Jamil Abo-Shaer    | 2011 | 151,153 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Office Management  | MTO  | Barbara Pica       | 2011 | 301,513 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)            | MTO  | Jagdeep Shah       | 2011 | 250,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | QUANTUM INFORMATION SCIENCE(QIS)                             | MTO  | Jagdeep Shah       | 2011 | 725,000 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                  | MTO  | Jack Judy          | 2011 | 47,075  |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | RF PHOTONICS   | MTO  | Scott Rodgers      | 2011 | 628,796 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | THERMAL MANAGEMENT TECHNOLOGIES                              | MTO  | Avram Bar-Cohen    | 2011 | 206,900 |
| D11PC20112 | Booz, Allen & Hamilton, Inc.        | Dept of Interior/National Business Center | Terahertz Electronics  | MTO  | John Albrecht      | 2011 | 46,684  |
| D11PC20113 | System Planning Corporation         | Dept of Interior/National Business Center | (STT-RAM)Spin Torque Transfer-Random Access Memory           | MTO  | Devanand K. Shenoy | 2011 | 16,153  |
| D11PC20113 | System Planning Corporation         | Dept of Interior/National Business Center | AWARE  | MTO  | Nibir Dhar         | 2011 | 260,000 |
| D11PC20113 | System Planning Corporation         | Dept of Interior/National Business Center | AXIS(Advanced X-Ray Integrated Sources)                      | MTO  | Tayo Akinwande     | 2011 | 300,000 |
| D11PC20113 | System Planning Corporation         | Dept of Interior/National Business Center | Dialysis Like Therapeutics                                   | MTO  | Timothy Broderick  | 2011 | 220,000 |

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| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | ELECTRIC FIELD DETECTOR(E-FED)                               | MTO  | Devanand K. Shenoy  | 2011 | 72,393    |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | Hemispherical Array Detector for Imaging(HARDI)              | MTO  | Devanand K. Shenoy  | 2011 | 138,726   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | Living Foundries   | MTO  | Alicia Jackson      | 2011 | 210,000   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | MESO(MesoDynamical Architectures)                            | MTO  | Jeffrey Rogers      | 2011 | 70,000    |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | Micro-Technology for Positioning, Navigation and Timing      | MTO  | Andrei Shkel        | 2011 | 821,792   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | N/MEMS S&T FUNDAMENTALS                                      | MTO  | Tayo Akinwande      | 2011 | 350,000   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | NON VOLATILE LOGIC   | MTO  | Devanand K. Shenoy  | 2011 | 50,000    |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | Office Management  | MTO  | Barbara Pica        | 2011 | 1,000,000 |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY)                 | MTO  | Jack Judy           | 2011 | 536,550   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | SEMICONDUCTOR FOCUS CENTERS                                  | MTO  | Jeffrey Rogers      | 2011 | 212,520   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | THERMAL MANAGEMENT TECHNOLOGIES                              | MTO  | Avram Bar-Cohen     | 2011 | 570,230   |
| D11PC20113    | System Planning Corporation                          | Dept of Interior/National Business Center                    | TIP-BASED NANOFABRICATION                                    | MTO  | Tayo Akinwande      | 2011 | 266,521   |
| D11PC20121    | SynTouch LLC   | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,626   |
| D11PC20123    | Applied Physical Sciences Corp.                      | Dept of Interior/National Business Center                    | SBIR Mission Funds   | SBIR | Susan Nichols       | 2011 | 299,990   |
| D11PC20124    | Information Systems Worldwide Corporation            | Dept of Interior/National Business Center                    | MESO(MesoDynamical Architectures)                            | MTO  | Jeffrey Rogers      | 2011 | 200,000   |
| D11PC20124    | Information Systems Worldwide Corporation            | Dept of Interior/National Business Center                    | SEMICONDUCTOR FOCUS CENTERS                                  | MTO  | Jeffrey Rogers      | 2011 | 339,180   |
| D11PC20124    | Information Systems Worldwide                        | Dept of Interior/National Business Center                    | Living Foundries   | MTO  | Alicia Jackson      | 2011 | 317,137   |
| D11PC20124    | Information Systems Worldwide                        | Dept of Interior/National Business Center                    | Office Management  | MTO  | Barbara Pica        | 2011 | 1,000,000 |
| D11PC20125    | Perceptronics Solutions, Inc.                        | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,999   |
| D11PC20150    | Management Sciences, Inc.                            | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,996   |
| D11PC20160    | AlphaSense, Inc                                      | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,999   |
| D11PC20161    | Magnolia Optical Technologies, Inc.                  | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 375,000   |
| D11PC20163    | AventuSoft L.L.C.                                    | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,978   |
| D11PC20171    | Real-Time Analyzers                                  | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,999   |
| D11PC20172    | ALD NanoSolutions, Inc.                              | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 377,065   |
| D11PC20173    | PRINCETON OPTRONICS INC                              | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,996   |
| D11PC20177    | Adventum Enterprises, LLC                            | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,991   |
| D11PC20179    | Sigtem Technology, Inc.                              | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,903   |
| D11PC20180    | MSNW, INC.   | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 375,000   |
| D11PC20181    | Stotler Henke Associates, Inc.                       | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,968   |
| D11PC20183    | University of California, San Diego                  | Dept of Interior/National Business Center                    | Cognitive Technology Threat Warning Systems (CT2WS)          | DSO  | Gill Pratt          | 2011 | 500,000   |
| D11PC20185    | ReliaCoat Technologies, LLC                          | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,788   |
| D11PC20189    | ZIVA Corporation                                     | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,985   |
| D11PC20192    | International Business Machine Research Center       | Dept of Interior/National Business Center                    | RATS   | I2O  | Bonnie Dorr         | 2011 | 1,592,999 |
| D11PC20204    | Smart Information Flow Technologies                  | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,850   |
| D11PC20206    | Advanced Cooling Technologies, Inc                   | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,993   |
| D11PC20207    | Utopia Compression, Corporation                      | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 499,988   |
| D11PC20208    | Quasar   | Dept of Interior/National Business Center                    | Cognitive Technology Threat Warning Systems (CT2WS)          | DSO  | Gill Pratt          | 2011 | 749,949   |
| D11PC20213    | Nico Technologies Corp.                              | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,991   |
| D11PC20233    | Fetch Technologies                                   | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 374,999   |
| D12AP00001    | Duke University                                      | Dept of Interior/National Business Center                    | Biochronicity  | DSO  | Christian Macedonia | 2011 | 197,249   |
| D12PC00005    | 21st Century Technology                              | Dept of Interior/National Business Center                    | SBIR Phase II  | SBIR | Susan Nichols       | 2011 | 369,045   |
| D12PC00014    | Applied System & Technology Transfer                 | Dept of Interior/National Business Center                    | FANG   | TTO  | Paul Eremenko       | 2011 | 468,498   |
| DOE-LLNL      | Lawrence Livermore National Laboratory               | Department of Energy-Lawrence Livermore Nat'l Lab            | Chemical Analysis Sans Machinery (CASM)                      | DSO  | Tanya M. Tanner     | 2011 | 1,373,000 |
| DOE-LLNL      | Lawrence Livermore National Laboratory               | Department of Energy-Lawrence Livermore Nat'l Lab            | H1N1 Acceleration (Blue Angel)                               | DSO  | Alan Magill         | 2011 | 196,031   |
| DOE-LLNL      | Lawrence Livermore National Laboratory               | Department of Energy-Lawrence Livermore Nat'l Lab            | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser    | 2011 | 652,297   |
| DOE-LLNL      | Lawrence Livermore National Laboratory               | Department of Energy-Lawrence Livermore Nat'l Lab            | Prophecy (Pathogen Defeat)                                   | DSO  | Michael Callahan    | 2011 | 2,542,533 |
| DOE-LLNL      | Lawrence Livermore National Laboratory               | Department of Energy-Lawrence Livermore Nat'l Lab            | TIP-BASED NANOFABRICATION                                    | MTO  | Tayo Akinwande      | 2011 | 63,506    |
| F2960101D0051 | A-Tech Corp  | AFRL, Directed Energy Directorate                            | HELLADS  | STO  | Richard Bagnell     | 2011 | 76,000    |
| F3361503D2329 | Innovative Scientific Solutions, Inc.                | AFRL, Propulsion Directorate                                 | Vulcan   | TTO  | Arthur Mabbett      | 2011 | 1,050,000 |
| FA23861014152 | Georgia Institute of Technology (Sponsored Programs) | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 1,357,182 |
| FA23861014165 | Texas Tech University                                | Asian Office of Aerospace Research and Development           | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht       | 2011 | 243,478   |
| FA23861014165 | Texas Tech University                                | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 252,189   |
| FA23861014167 | University of California Santa Barbara               | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 839,123   |
| FA23861014168 | Nitek, Inc   | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 973,999   |
| FA23861114013 | Tohoku University                                    | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 60,000    |
| FA23861114031 | National Institute for Materials                     | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 35,000    |
| FA23861114052 | Nara Institute of Science & Technology               | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 40,000    |
| FA23861114058 | University of Minnesota                              | Asian Office of Aerospace Research and Development           | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht       | 2011 | 365,745   |
| FA23861114084 | University of Tokushima                              | Asian Office of Aerospace Research and Development           | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 35,000    |
| FA70001020019 | Roger D. Tippets, Tippets Observatories, LLC         | U.S. Air Force Academy                                       | Space Surveillance Telescope (SST)                           | TTO  | Travis Blake        | 2011 | 100,000   |
| FA860109F0024 | General Dynamics Information Technology, Inc.        | AFRL, Sensors Dir - OH                                       | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway      | 2011 | 20,000    |
| FA860110C0022 | Wyle Laboratories                                    | AFRL, Sensors Dir - OH                                       | UHPC   | MTO  | Charlie Holland     | 2011 | 79,800    |
| FA865004D1712 | OPTIMETRICS INC                                      | AFRL, Sensors Dir - OH                                       | SPI-3D: Standoff Precision ID in 3D                          | I2O  | Evan Fortunato      | 2011 | 100,000   |
| FA865004D7137 | Georgia Tech Research Institute                      | AFRL, Sensors Dir - OH                                       | I2O Mgmt Initiatives IT-03                                   | MTO  | Wendy Smith         | 2011 | 20,000    |
| FA865005C7211 | Raytheon Company                                     | AFRL, Sensors Dir - OH                                       | EXCALIBUR  | MTO  | Joseph A. Mangano   | 2011 | 6,300,000 |
| FA86500727716 | The Boeing Company                                   | AFRL, Materials and Manufacturing Directorate                | Disruptive Manufacturing Technologies                        | DSO  | William Coblenz     | 2011 | 340,697   |
| FA865007C7713 | Northrop Grumman Corporation                         | AFRL, Sensors Dir - OH                                       | Diverse & Accessible Heterogeneous Integration               | MTO  | Sanjay Ramam        | 2011 | 4,709,121 |
| FA865007C7715 | General Atomics                                      | AFRL, Sensors Dir - OH                                       | SPI-3D: Standoff Precision ID in 3D                          | I2O  | Evan Fortunato      | 2011 | 261,158   |
| FA865007C7749 | Lockheed Martin Advanced Technologies Lab            | 711th Human Performance Wing Human Effectiveness Directorate | Integrated Crisis Early Warning System (ICEWS)               | I2O  | Dennis McBride      | 2011 | 3,479,066 |
| FA86500817824 | Carnegie Mellon University                           | AFRL, Sensors Dir - OH                                       | Micro-Technology for Positioning, Navigation and Timing      | MTO  | Andrei Shkel        | 2011 | 1,239,453 |
| FA86500817839 | University of Colorado                               | AFRL, Materials and Manufacturing Directorate                | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway      | 2011 | 250,000   |
| FA865008C7838 | International Business Machine Research Center       | AFRL, Sensors Dir - OH                                       | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht       | 2011 | 2,096,333 |
| FA865008D1300 | Booz, Allen & Hamilton, Inc.                         | AFRL, Sensors Dir - OH                                       | I2O Mgmt Initiatives IT-03                                   | MTO  | Wendy Smith         | 2011 | 20,000    |
| FA865008D1451 | Ohio State University                                | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                                 | STO  | Stefanie Tompkins   | 2011 | 550,000   |
| FA86500917943 | Princeton University                                 | AFRL, Materials and Manufacturing Directorate                | Heterostructural Uncooled Magnetic Sensors (HUMS)            | DSO  | William Coblenz     | 2011 | 1,745,635 |

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| FA86500917944 | University of Maryland                                       | AFRL, Materials and Manufacturing Directorate                | Heterostructural Uncooled Magnetic Sensors (HUMS)         | DSO | William Coblenz   | 2011 | 665,895   |
| FA86500917945 | Virginia Polytechnic Institute                               | AFRL, Materials and Manufacturing Directorate                | Heterostructural Uncooled Magnetic Sensors (HUMS)         | DSO | William Coblenz   | 2011 | 494,049   |
| FA865009C7909 | Applied Research Associates Inc.                             | 711th Human Performance Wing Human Effectiveness Directorate | ULTRA-VIS   | I2O | Yiftach Eisenberg | 2011 | 2,371,745 |
| FA865009C7924 | International Business Machines Corporation                  | AFRL, Sensors Dir - OH                                       | HEALICS   | MTO | Sanjay Raman      | 2011 | 921,299   |
| FA865009C7925 | Raytheon Company   | AFRL, Sensors Dir - OH                                       | HEALICS   | MTO | Sanjay Raman      | 2011 | 343,000   |
| FA865009C7926 | BAE Systems  | AFRL, Sensors Dir - OH                                       | HEALICS   | MTO | Sanjay Raman      | 2011 | 1,990,390 |
| FA865009C7942 | BAE Systems National Security Solutions Inc.                 | AFRL, Sensors Dir - OH                                       | PIRET   | I2O | Fred Schnarre     | 2011 | 1,119,370 |
| FA865009C7950 | Raytheon Company   | AFRL, Sensors Dir - OH                                       | PIRET   | I2O | Fred Schnarre     | 2011 | 160,046   |
| FA865009C7959 | Science Application International Corporation                | AFRL, Sensors Dir - OH                                       | Optical RF Communications Adjunct (ORCA)                  | STO | Richard Ridgway   | 2011 | 22,325    |
| FA865009D1500 | Ball Aerospace   | AFRL, Sensors Dir - OH                                       | Resilient Clouds  | I2O | Howard Shrobe     | 2011 | 572,950   |
| FA865009D1513 | Jacobs Technology, Inc.                                      | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 41,800    |
| FA86501017042 | University of Southern California Dept of Contracts & Grants | AFRL, Sensors Dir - OH                                       | ELASTx  | MTO | Sanjay Raman      | 2011 | 37,239    |
| FA86501017045 | Arizona State University                                     | AFRL, Sensors Dir - OH                                       | CERA (Carbon Electronics for RF Applications)             | MTO | John Albrecht     | 2011 | 165,169   |
| FA86501017046 | Worcester Polytechnic Institute                              | AFRL, Sensors Dir - OH                                       | CERA (Carbon Electronics for RF Applications)             | MTO | John Albrecht     | 2011 | 60,128    |
| FA86501027028 | University of Dayton   | AFRL, Sensors Dir - OH                                       | AACE  | MTO | Charlie Holland   | 2011 | 50,000    |
| FA86501027028 | University of Dayton   | AFRL, Sensors Dir - OH                                       | UHPC  | MTO | Charlie Holland   | 2011 | 25,526    |
| FA86501027028 | University of Dayton   | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                              | I2O | Brian Leininger   | 2011 | 80,000    |
| FA865010C1709 | Toyon Research Corp.   | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                              | I2O | Brian Leininger   | 2011 | 75,000    |
| FA865010C1890 | Northrop Grumman Syst Corp, Electr Systems                   | AFRL, Sensors Dir - OH                                       | Wide Area Network Detection (WAND)                        | I2O | Vincent Sabio     | 2011 | 200,000   |
| FA865010C1891 | L-3 Communication Corporations                               | AFRL, Sensors Dir - OH                                       | ARGUS-IS  | I2O | Brian Leininger   | 2011 | 400,000   |
| FA865010C2123 | Kinetic BEI, LLC   | AFRL, Propulsion Directorate                                 | SBIR Increments/MODs                                      | MTO | Susan Nichols     | 2011 | 178,182   |
| FA865010C7002 | EOSPACE, Inc.  | AFRL, Sensors Dir - OH                                       | RF PHOTONICS  | MTO | Scott Rodgers     | 2011 | 1,421,000 |
| FA865010C7003 | Harris Corp  | AFRL, Sensors Dir - OH                                       | RF PHOTONICS  | MTO | Scott Rodgers     | 2011 | 6,726,524 |
| FA865010C7004 | Northrop Grumman Corporation                                 | AFRL, Sensors Dir - OH                                       | ARGUS-IR  | I2O | Brian Leininger   | 2011 | 307,408   |
| FA865010C7004 | Northrop Grumman Corporation                                 | AFRL, Sensors Dir - OH                                       | Insight   | I2O | Benjamin Cutler   | 2011 | 1,400,000 |
| FA865010C7004 | Northrop Grumman Corporation                                 | AFRL, Sensors Dir - OH                                       | PIRET   | I2O | Fred Schnarre     | 2011 | 3,679     |
| FA865010C7004 | Northrop Grumman Corporation                                 | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                              | I2O | Brian Leininger   | 2011 | 1,300,000 |
| FA865010C7017 | Georgia Tech Applied Research Corporation                    | AFRL, Sensors Dir - OH                                       | Multipath Exploitation Radar                              | STO | Joseph Durek      | 2011 | 799,659   |
| FA865010C7018 | Argon ST, Inc.   | AFRL, Sensors Dir - OH                                       | Multipath Exploitation Radar                              | STO | Joseph Durek      | 2011 | 1,128,733 |
| FA865010C7019 | NET-SCALE TECHNOLOGIES, INCORPORATED                         | AFRL, Sensors Dir - OH                                       | DEEP LEARNING   | I2O | Anthony Falcone   | 2011 | 1,857,358 |
| FA865010C7020 | Stanford University  | AFRL, Sensors Dir - OH                                       | DEEP LEARNING   | I2O | Anthony Falcone   | 2011 | 1,715,405 |
| FA865010C7027 | Northrop Grumman Aerospace Corp                              | AFRL, Sensors Dir - OH                                       | ELASTx  | MTO | Sanjay Raman      | 2011 | 1,878,796 |
| FA865010C7038 | International Business Machines, Inc                         | AFRL, Sensors Dir - OH                                       | GRATE   | MTO | Carl McCants      | 2011 | 3,373,000 |
| FA865010C7040 | Lockheed Martin Coherent Technologies                        | AFRL, Sensors Dir - OH                                       | Military Imaging and Surveillance Technology              | STO | Jinendra Ranka    | 2011 | 3,860,000 |
| FA865010C7041 | Trex Enterprises Corporation                                 | AFRL, Sensors Dir - OH                                       | Military Imaging and Surveillance Technology              | STO | Jinendra Ranka    | 2011 | 169,000   |
| FA865010C7044 | BAE Systems Advanced Infor Tech Inc                          | AFRL, Sensors Dir - OH                                       | ARGUS-IR  | I2O | Brian Leininger   | 2011 | 4,380,000 |
| FA865010C7044 | BAE Systems Advanced Infor Tech Inc                          | AFRL, Sensors Dir - OH                                       | ARGUS-IS  | I2O | Brian Leininger   | 2011 | 1,080,000 |
| FA865010C7044 | BAE Systems Advanced Infor Tech Inc                          | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                              | I2O | Brian Leininger   | 2011 | 1,150,000 |
| FA865010C7045 | Lockheed Martin Corp - Missiless and Fire Control            | AFRL, Sensors Dir - OH                                       | ARGUS-IR  | I2O | Brian Leininger   | 2011 | 7,260,536 |
| FA865010C7045 | Lockheed Martin Corp - Missiless and Fire Control            | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                              | I2O | Brian Leininger   | 2011 | 5,400,000 |
| FA865010C7050 | SRI International  | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                              | STO | Stefanie Tompkins | 2011 | 3,082,976 |
| FA865010C7067 | Lockheed Martin Maritime Systems & Sensors                   | AFRL, Sensors Dir - OH                                       | EXCALIBUR   | MTO | Joseph A. Mangano | 2011 | 1,604,205 |
| FA865010C7068 | AAI  | AFRL, Air Vehicles Directorate                               | Transformer (TX)  | TTO | Stephen Waller    | 2011 | 1,499,862 |
| FA865010C7069 | Lockheed Martin Aeronautics Company                          | AFRL, Air Vehicles Directorate                               | Transformer (TX)  | TTO | Stephen Waller    | 2011 | 1,500,000 |
| FA865010C7074 | International Business Machine Research Center               | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,314,103 |
| FA865010C7075 | Vanderbilt University  | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 2,355,726 |
| FA865010C7076 | Adventium Enterprises, LLC                                   | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,092,808 |
| FA865010C7077 | Smart Information Flow Technologies                          | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,502,465 |
| FA865010C7078 | SRI International  | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,916,842 |
| FA865010C7079 | Palo Alto Research Center (PARC) Incorporated                | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 3,263,146 |
| FA865010C7080 | United Technologies Research Center                          | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 3,774,568 |
| FA865010C7081 | Rockwell Collins, Inc  | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,422,934 |
| FA865010C7082 | Vanderbilt University  | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 2,505,766 |
| FA865010C7083 | Massachusetts Institute of Technology                        | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 173,534   |
| FA865010C7084 | Massachusetts Institute of Technology                        | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 270,910   |
| FA865010C7085 | The Boeing Co, Boeing R &D                                   | AFRL, Propulsion Directorate                                 | META  | TTO | Paul Eremenko     | 2011 | 1,899,859 |
| FA865010C7087 | Smart Information Flow Technologies                          | AFRL, Sensors Dir - OH                                       | CRASH Clean-slate Resilient, Adaptive, Secure Hosts       | I2O | Howard Shrobe     | 2011 | 575,780   |
| FA865010C7088 | University of Wisconsin                                      | AFRL, Sensors Dir - OH                                       | CRASH Clean-slate Resilient, Adaptive, Secure Hosts       | I2O | Howard Shrobe     | 2011 | 323,784   |
| FA865010C7089 | University of New Mexico                                     | AFRL, Sensors Dir - OH                                       | CRASH Clean-slate Resilient, Adaptive, Secure Hosts       | I2O | Howard Shrobe     | 2011 | 700,625   |
| FA865010C7090 | BAE Systems National Security Solutions Inc.                 | AFRL, Sensors Dir - OH                                       | CRASH Clean-slate Resilient, Adaptive, Secure Hosts       | I2O | Howard Shrobe     | 2011 | 3,753,147 |
| FA865010D1751 | Macaulay Brown   | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 13,000    |
| FA865010D1751 | Macaulay Brown   | AFRL, Sensors Dir - OH                                       | TAILWIND  | I2O | Fred Schnarre     | 2011 | 75,000    |
| FA865010D5011 | University of Dayton Research Institute                      | AFRL, Materials and Manufacturing Directorate                | Advanced Structural Fiber                                 | DSO | Brian Holloway    | 2011 | 152,000   |
| FA8650111007  | Illinois Institute of Technology                             | AFRL, Sensors Dir - OH                                       | ELASTx  | MTO | Sanjay Raman      | 2011 | 129,323   |
| FA86501117145 | Pennsylvania State University                                | AFRL, Sensors Dir - OH                                       | DEEP LEARNING   | I2O | Anthony Falcone   | 2011 | 272,979   |
| FA86501117148 | University of Rhode Island                                   | AFRL, Sensors Dir - OH                                       | DEEP LEARNING   | I2O | Anthony Falcone   | 2011 | 312,288   |
| FA86501117149 | University of California, Los Angeles                        | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117150 | Duke University  | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117151 | Brown U  | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117152 | Stevens Institutes of Technology                             | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117153 | University of California, Berkeley                           | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117154 | Massachusetts Institute of Technology                        | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117155 | University of Vermont  | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 45,000    |
| FA86501117156 | University of California, Los Angeles                        | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 300,000   |
| FA86501117159 | University of Texas at Austin                                | AFRL, Sensors Dir - OH                                       | ART (Adaptive RF Tech)                                    | MTO | William Chappell  | 2011 | 915,595   |
| FA86501117162 | Massachusetts Institute of Technology                        | AFRL, Sensors Dir - OH                                       | Mathematics of Sensing, Exploitation and Execution (MSEE) | DSO | Anthony Falcone   | 2011 | 250,878   |

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|---------------|--|--|---|------|-------------------|------|------------|
| FA86501127127 | The Boeing Company   | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 2,239,385  |
| FA865011C7108 | BAE Systems Information & Electronic Systems Integration Inc | AFRL, Sensors Dir - OH                                       | Wide Area Network Detection (WAND)                      | I2O  | Vincent Sabio     | 2011 | 3,255,631  |
| FA865011C7108 | BAE Systems Information & Electronic Systems Integration Inc | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                            | I2O  | Brian Leininger   | 2011 | 8,000,000  |
| FA865011C7109 | HRL Laboratories, LLC  | AFRL, Sensors Dir - OH                                       | CERA (Carbon Electronics for RF Applications)           | MTO  | John Albrecht     | 2011 | 156,723    |
| FA865011C7109 | HRL Laboratories, LLC  | AFRL, Sensors Dir - OH                                       | Terahertz Electronics                                   | MTO  | John Albrecht     | 2011 | 1,160,977  |
| FA865011C7109 | HRL Laboratories, LLC  | AFRL, Sensors Dir - OH                                       | WBGs-RF   | MTO  | John Albrecht     | 2011 | 143,510    |
| FA865011C7111 | BAE Systems Information & Electronic Systems Integration Inc | AFRL, Sensors Dir - OH                                       | Wide Area Network Detection (WAND)                      | I2O  | Vincent Sabio     | 2011 | 1,236,224  |
| FA865011C7112 | BAE Systems National Security Solutions Inc.                 | AFRL, Sensors Dir - OH                                       | Wide Area Network Detection (WAND)                      | I2O  | Vincent Sabio     | 2011 | 3,711,752  |
| FA865011C7115 | Northrop Grumman Electronic Syst-Rolling Meadows             | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 6,620,125  |
| FA865011C7116 | Raytheon Missile Systems Company                             | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 6,619,831  |
| FA865011C7117 | Science Engineering Technology Associates.                   | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 775,000    |
| FA865011C7118 | Vuzix  | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 775,100    |
| FA865011C7120 | Aerius Photonics, LLC  | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 255,657    |
| FA865011C7121 | Aerius Photonics, LLC  | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 601,472    |
| FA865011C7122 | Total Immersion Software, Inc.                               | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 774,985    |
| FA865011C7123 | IST Research   | AFRL, Air Vehicles Directorate                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 775,000    |
| FA865011C7125 | L-3 Communication Corporations                               | AFRL, Sensors Dir - OH                                       | ARGUS-IR  | I2O  | Brian Leininger   | 2011 | 1,100,000  |
| FA865011C7125 | L-3 Communication Corporations                               | AFRL, Sensors Dir - OH                                       | ARGUS-IS  | I2O  | Brian Leininger   | 2011 | 1,000,000  |
| FA865011C7125 | L-3 Communication Corporations                               | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                            | I2O  | Brian Leininger   | 2011 | 1,832,594  |
| FA865011C7126 | Tri-Quint Semiconductor Inc.                                 | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 384,377    |
| FA865011C7128 | Carnegie Mellon University                                   | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 2,275,902  |
| FA865011C7129 | Intentional Software Corporations (ISC)                      | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 2,675,218  |
| FA865011C7130 | Palo Alto Research Center (PARC) Incorporated                | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 2,817,066  |
| FA865011C7131 | Pennsylvania State Univ/Applied Research Lab                 | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 748,495    |
| FA865011C7132 | University of Delaware                                       | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 499,710    |
| FA865011C7135 | Northrop Grumman Corporation                                 | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins | 2011 | 1,333,040  |
| FA865011C7136 | University of California, Berkeley                           | AFRL, Sensors Dir - OH                                       | CRASH Clean-slate Resilient, Adaptive, Secure Hosts     | I2O  | Howard Shrobe     | 2011 | 435,136    |
| FA865011C7137 | SRI International  | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins | 2011 | 2,598,461  |
| FA865011C7138 | Science Application International Corporation                | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins | 2011 | 1,671,959  |
| FA865011C7139 | United Technologies Research Center                          | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins | 2011 | 1,395,747  |
| FA865011C7141 | Florida Institute for Human and Machine Cognition            | AFRL, Sensors Dir - OH                                       | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins | 2011 | 150,000    |
| FA865011C7142 | Georgia Tech Research Corporation(GTRC)                      | AFRL, Materials and Manufacturing Directorate                | iFAB  | TTO  | Paul Eremenko     | 2011 | 958,104    |
| FA865011C7143 | David Sarnoff Research Center                                | 711th Human Performance Wing Human Effectiveness Directorate | ULTRA-VIS   | I2O  | Yiftach Eisenberg | 2011 | 2,879,319  |
| FA865011C7146 | University of California, San Diego                          | AFRL, Sensors Dir - OH                                       | STO Studies - IT-03                                     | STO  | Patrick W. Bailey | 2011 | 246,191    |
| FA865011C7157 | Raytheon Integrated Defense Systems                          | AFRL, Sensors Dir - OH                                       | Analog-to-Information (A-to-I)                          | MTO  | Daniel Purdy      | 2011 | 1,275,029  |
| FA865011C7158 | HRL Laboratories, LLC  | AFRL, Sensors Dir - OH                                       | ART (Adaptive RF Tech)                                  | MTO  | William Chappell  | 2011 | 3,077,724  |
| FA865011C7160 | BAE Systems  | AFRL, Sensors Dir - OH                                       | ART (Adaptive RF Tech)                                  | MTO  | William Chappell  | 2011 | 1,432,292  |
| FA865011C7167 | Lockheed Martin Coherent Technologies                        | AFRL, Sensors Dir - OH                                       | RF PHOTONICS  | MTO  | Scott Rodgers     | 2011 | 499,935    |
| FA865011C7168 | Hi-Z Technology, Inc.  | AFRL, Sensors Dir - OH                                       | CERA (Carbon Electronics for RF Applications)           | MTO  | John Albrecht     | 2011 | 299,995    |
| FA865011C7169 | BAE Systems Information & Electronic Systems Integration Inc | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                            | I2O  | Brian Leininger   | 2011 | 12,032,659 |
| FA865011C7170 | Systems & Technology Research                                | AFRL, Sensors Dir - OH                                       | I2O Mgmt Initiatives CCC-01                             | I2O  | Wendy Smith       | 2011 | 289,391    |
| FA865011C7170 | Systems & Technology Research                                | AFRL, Sensors Dir - OH                                       | Wide Area Surveillance - OCO                            | I2O  | Brian Leininger   | 2011 | 1,999,850  |
| FA865011C7172 | Northrop Grumman Aerospace Corp                              | AFRL, Sensors Dir - OH                                       | Analog-to-Information (A-to-I)                          | MTO  | Daniel Purdy      | 2011 | 310,000    |
| FA865011C7180 | Tri-Quint Semiconductor Inc.                                 | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 2,475,027  |
| FA865011C7181 | HRL Laboratories, LLC  | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 1,823,028  |
| FA865011C7182 | Teledyne Scientific and Imaging, LLC                         | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 1,800,000  |
| FA865011C7183 | Northrop Grumman Systems Corporation                         | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 2,010,828  |
| FA865011C7184 | Rockwell Collins, Inc  | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 1,866,220  |
| FA865011C7185 | MaXentric Technologies LLC                                   | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 1,681,144  |
| FA865011C7186 | Cobham Sensor Systems  | AFRL, Sensors Dir - OH                                       | Microscale Power Conversion                             | MTO  | John Albrecht     | 2011 | 1,471,423  |
| FA865011C7189 | BAE Systems  | AFRL, Sensors Dir - OH                                       | Resilient Clouds  | I2O  | Howard Shrobe     | 2011 | 992,724    |
| FA865011C7190 | Columbia University  | AFRL, Sensors Dir - OH                                       | Resilient Clouds  | I2O  | Howard Shrobe     | 2011 | 828,065    |
| FA865011C7191 | Smart Information Flow Technologies                          | AFRL, Sensors Dir - OH                                       | Resilient Clouds  | I2O  | Howard Shrobe     | 2011 | 849,670    |
| FA865011C7192 | MIT Artificial Intelligence Lab                              | AFRL, Sensors Dir - OH                                       | Resilient Clouds  | I2O  | Howard Shrobe     | 2011 | 529,702    |
| FA865012C7204 | Sensors in Motion  | AFRL, Sensors Dir - OH                                       | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel      | 2011 | 1,163,451  |
| FA865012C7208 | Boeing   | AFRL, Materials and Manufacturing Directorate                | Microscale Plasma Devices                               | MTO  | Daniel Purdy      | 2011 | 308,484    |
| FA870705C0002 | Northrop Grumman Corporation                                 | Electronic Systems Center/HSJF                               | Persistent Close Air Support (PCAS)                     | TTO  | Stephen Waller    | 2011 | 2,289,110  |
| FA872110C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | BLADE   | I2O  | Yiftach Eisenberg | 2011 | 1,012,000  |
| FA872110C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Communications in Extreme Environments                  | STO  | Bruce Fette       | 2011 | 30,000     |
| FA872110C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | ZETA  | MTO  | Jagdeep Shah      | 2011 | 715,000    |
| FA872110C0008 | Software Engineering Institute                               | Electronic Systems Center                                    | Anomaly Detection at Multiple Scales (ADAMS)            | I2O  | Rand Waltzman     | 2011 | 800,000    |
| FA872110C0008 | Software Engineering Institute                               | Electronic Systems Center                                    | Machine Reading   | I2O  | Bonnie Dorr       | 2011 | 75,000     |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | AXIS(Advanced X-Ray Integrated Sources)                 | AXTO | Tayo Akinwande    | 2011 | 150,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | CRASH Clean-slate Resilient, Adaptive, Secure Hosts     | I2O  | Howard Shrobe     | 2011 | 300,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Communications in Extreme Environments                  | STO  | Bruce Fette       | 2011 | 569,607    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Computational Leverage Against Surveillance Systems     | STO  | Mark Rich         | 2011 | 2,010,500  |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Content-Based Mobile Edge Networking (CBMEN)            | STO  | Keith Gremban     | 2011 | 300,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Cyber Defense   | I2O  | Tim Fraser        | 2011 | 928,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Cyber Fast Track (CFT) program                          | I2O  | Peiter Zatk       | 2011 | 600,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Cyber Insider Threat                                    | I2O  | Peiter Zatk       | 2011 | 1,543,007  |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Diverse & Accessible Heterogeneous Integration          | MTO  | Sanjay Raman      | 2011 | 673,100    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | EXCALIBUR   | MTO  | Joseph A. Mangano | 2011 | 6,800,000  |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | EXCALIBUR   | MTO  | Joseph A. Mangano | 2011 | 5,760,000  |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | FOPEN-GXP   | I2O  | Vincent Sabio     | 2011 | 226,681    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | HELLADS   | STO  | Richard Bagnell   | 2011 | 350,000    |
| FA872111C0007 | MIT Lincoln Laboratory                                       | Electronic Systems Center                                    | Information in a Photon (InPho)                         | DSO  | Mark Neifeld      | 2011 | 94,000     |

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| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)     | MTO | Jagdeep Shah      | 2011 | 1,112,614 |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | Precision Electronic Warfare (PREW)                   | STO | Keith Gremban     | 2011 | 249,500   |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | QUANTUM INFORMATION SCIENCE(QIS)                      | MTO | Jagdeep Shah      | 2011 | 300,000   |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | RATS  | I2O | Bonnie Dorr       | 2011 | 350,000   |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | STO Management - CCC-01                               | STO | Patrick W. Bailey | 2011 | 200,000   |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | STO Management - CCC-02                               | STO | Patrick W. Bailey | 2011 | 185,000   |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | Space Surveillance Telescope (SST)                    | TTO | Travis Blake      | 2011 | 1,513,451 |
| FA872111C0007 | MIT Lincoln Laboratory                                | Electronic Systems Center     | ZETA  | MTO | Jagdeep Shah      | 2011 | 256,000   |
| FA875005C0237 | Michigan Technological University                     | AFRL, Sensors Dir - OH        | LACOSTE   | STO | Tim Clark         | 2011 | 75,000    |
| FA875007C0005 | Microwave Associates, Inc.                            | AFRL, Information Directorate | Advanced Wireless Networks for the Soldier            | STO | Bruce Fette       | 2011 | 2,769,444 |
| FA875007C0169 | BBN Technologies                                      | AFRL, Information Directorate | Advanced Wireless Networks for the Soldier            | STO | Bruce Fette       | 2011 | 7,101,228 |
| FA875007C0231 | Lyric Semiconductor, Inc                              | AFRL, Information Directorate | ANALOG LOGIC  | MTO | Daniel Purdy      | 2011 | 6,965,330 |
| FA875008C0216 | Information Systems Lab, Inc.                         | AFRL, Information Directorate | I2O Mgmt Initiatives IT-03                            | I2O | Wendy Smith       | 2011 | 177,000   |
| FA875008C0217 | BAE Systems Advanced Infor Tech Inc                   | AFRL, Information Directorate | Net Track   | I2O | Vincent Sabio     | 2011 | 1,682,300 |
| FA875009I0213 | Dartmouth College                                     | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 249,967   |
| FA875009C0121 | Electromagnetic Systems Inc                           | AFRL, Information Directorate | FOPEN-GXP   | I2O | Vincent Sabio     | 2011 | 225,000   |
| FA875009C0160 | Microwave Associates, Inc.                            | AFRL, Information Directorate | Labrador 6.3  | I2O | Brian Leininger   | 2011 | 469,251   |
| FA875009C0172 | International Business Machines, Inc                  | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 500,000   |
| FA875009C0172 | International Business Machines, Inc                  | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 4,587,545 |
| FA875009C0179 | Bolt, Beranek & Newman, Inc.                          | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 1,060,000 |
| FA875009C0179 | Bolt, Beranek & Newman, Inc.                          | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 5,549,823 |
| FA875009C0181 | SRI International                                     | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 1,006,000 |
| FA875009C0181 | SRI International                                     | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 5,943,709 |
| FA875009C0184 | Science Application International Corporation         | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 846,000   |
| FA875009C0184 | Science Application International Corporation         | AFRL, Information Directorate | Machine Reading                                       | I2O | Bonnie Dorr       | 2011 | 2,485,291 |
| FA875009C0194 | Harris Corp   | AFRL, Information Directorate | Quantum Sensors                                       | STO | Brent Appleby     | 2011 | 2,553,176 |
| FA875009C0210 | Black River Systems Company                           | AFRL, Information Directorate | FITT  | I2O | Tim Clark         | 2011 | 250,149   |
| FA875009C0210 | Black River Systems Company                           | AFRL, Information Directorate | Net Track   | I2O | Vincent Sabio     | 2011 | 25,000    |
| FA875009C0210 | Black River Systems Company                           | AFRL, Information Directorate | Space Surveillance Telescope (SST)                    | TTO | Travis Blake      | 2011 | 70,000    |
| FA875009C0226 | Global Security & Engineering Solutions               | AFRL, Information Directorate | Space Surveillance Telescope (SST)                    | TTO | Travis Blake      | 2011 | 230,000   |
| FA875009D0032 | Rome Research Corporation                             | AFRL, Information Directorate | Advanced Wireless Networks for the Soldier            | STO | Bruce Fette       | 2011 | 107,124   |
| FA875009D0032 | Rome Research Corporation                             | AFRL, Information Directorate | Communications in Extreme Environments                | STO | Bruce Fette       | 2011 | 100,000   |
| FA875009D0183 | SRI International                                     | AFRL, Information Directorate | I2O Mgmt Initiatives COG-02                           | I2O | Wendy Smith       | 2011 | 50,000    |
| FA875009D0183 | SRI International                                     | AFRL, Information Directorate | OH BY THE WAY (OBTW)                                  | I2O | Robert Kohout     | 2011 | 444,737   |
| FA87501020163 | University of Arizona                                 | AFRL, Information Directorate | Computer Science, Science, Tech, Eng & Math (CS/STEM) | I2O | Russ Shilling     | 2011 | 438,222   |
| FA87501020165 | Carnegie Mellon University                            | AFRL, Information Directorate | Computer Science, Science, Tech, Eng & Math (CS/STEM) | I2O | Russ Shilling     | 2011 | 2,636,555 |
| FA87501020167 | TopCoder, Inc.  | AFRL, Information Directorate | Computer Science, Science, Tech, Eng & Math (CS/STEM) | I2O | Russ Shilling     | 2011 | 1,770,300 |
| FA87501020179 | University of Massachusetts                           | AFRL, Information Directorate | GUARD DOG   | I2O | Randy Garrett     | 2011 | 607,135   |
| FA87501020233 | Northeastern U  | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 996,574   |
| FA87501020238 | Cornell University                                    | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 1,046,349 |
| FA87501020253 | Columbia University                                   | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 1,453,703 |
| FA87501020254 | Yale University                                       | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 539,835   |
| FA875010C0162 | Teledyne Industries, Inc.                             | AFRL, Information Directorate | FITT  | I2O | Tim Clark         | 2011 | 741,329   |
| FA875010C0168 | Science Application International Corporation         | AFRL, Information Directorate | FITT  | I2O | Tim Clark         | 2011 | 1,739,082 |
| FA875010C0169 | Secure Command Government Solutions, LLC              | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 136,614   |
| FA875010C0170 | Lockheed Martin Advanced Technologies Lab             | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 314,800   |
| FA875010C0171 | Charles River Analytics, Inc.                         | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 309,000   |
| FA875010C0173 | BBN Technologies                                      | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 565,190   |
| FA875010C0176 | BAE Systems   | AFRL, Information Directorate | FITT  | I2O | Tim Clark         | 2011 | 1,166,936 |
| FA875010C0188 | Distributed Infinity                                  | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 556,134   |
| FA875010C0188 | Distributed Infinity                                  | AFRL, Information Directorate | Scalable Network Monitoring                           | I2O | Tim Fraser        | 2011 | 151,136   |
| FA875010C0191 | Charles River Analytics, Inc.                         | AFRL, Information Directorate | GUARD DOG   | I2O | Randy Garrett     | 2011 | 1,047,547 |
| FA875010C0196 | BAE Systems Advanced Infor Tech Inc                   | AFRL, Information Directorate | Space Surveillance Telescope (SST)                    | TTO | Travis Blake      | 2011 | 585,000   |
| FA875010C0199 | Aptima, Inc.  | AFRL, Information Directorate | GUARD DOG   | I2O | Randy Garrett     | 2011 | 863,086   |
| FA875010C0207 | BAE Systems   | AFRL, Information Directorate | GUARD DOG   | I2O | Randy Garrett     | 2011 | 1,550,376 |
| FA875010C0210 | Carnegie Mellon University                            | AFRL, Information Directorate | GUARD DOG   | I2O | Randy Garrett     | 2011 | 565,893   |
| FA875010C0220 | ITT Corp - Advanced Engineering and Sciences DIV      | AFRL, Information Directorate | Space Surveillance Telescope (SST)                    | TTO | Travis Blake      | 2011 | 80,000    |
| FA875010C0234 | Science Engineering Technology Associates.            | AFRL, Information Directorate | NeoVision 2   | DSO | Gill Pratt        | 2011 | 497,105   |
| FA875010C0237 | SRI International                                     | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 997,118   |
| FA875010C0241 | Kestrel Institute                                     | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 425,174   |
| FA875010C0242 | BBN Technologies                                      | AFRL, Information Directorate | CRASH Clean-slate Resilient, Adaptive, Secure Hosts   | I2O | Howard Shrobe     | 2011 | 832,785   |
| FA875010D0042 | Rockwell Collins Government Systems                   | AFRL, Information Directorate | Triple Target Terminator (T3)                         | TTO | Stephen Waller    | 2011 | 2,200,819 |
| FA87501110248 | University of California, Irvine                      | AFRL, Information Directorate | SAFER   | I2O | Richard Dean      | 2011 | 124,872   |
| FA87501120079 | University of Bristol, UK                             | AFRL, Information Directorate | SAFER   | I2O | Richard Dean      | 2011 | 101,888   |
| FA87501120102 | University of Washington Office of Sponsored Programs | AFRL, Information Directorate | ENGAGE  | I2O | Russ Shilling     | 2011 | 279,765   |
| FA87501120211 | Georgia Technical Research Corp. (Sponsored Programs) | AFRL, Information Directorate | SAFER   | I2O | Richard Dean      | 2011 | 201,397   |
| FA87501120221 | University of Washington Office of Sponsored Programs | AFRL, Information Directorate | SAFER   | I2O | Richard Dean      | 2011 | 453,614   |
| FA87501120225 | MIT Artificial Intelligence Lab                       | AFRL, Information Directorate | SAFER   | I2O | Richard Dean      | 2011 | 284,056   |
| FA87501120253 | Dartmouth College                                     | AFRL, Information Directorate | I2O Mgmt Initiatives CCS-02                           | I2O | Wendy Smith       | 2011 | 175,000   |
| FA87501120256 | Cornell University                                    | AFRL, Information Directorate | Resilient Clouds                                      | I2O | Howard Shrobe     | 2011 | 592,254   |
| FA87501120257 | Dartmouth College                                     | AFRL, Information Directorate | Resilient Clouds                                      | I2O | Howard Shrobe     | 2011 | 243,725   |
| FA875011C0028 | Sentar, Inc.  | AFRL, Information Directorate | Cyber Defense   | I2O | Tim Fraser        | 2011 | 1,376,310 |
| FA875011C0038 | Boeing  | AFRL, Information Directorate | Cyber Insider Threat                                  | I2O | Peiter Zatkou     | 2011 | 362,959   |
| FA875011C0052 | SRI International                                     | AFRL, Information Directorate | Resilient C2  | I2O | Dennis McBride    | 2011 | 3,100,972 |
| FA875011C0053 | Charles River Analytics, Inc.                         | AFRL, Information Directorate | Resilient C2  | I2O | Dennis McBride    | 2011 | 359,562   |
| FA875011C0054 | Raytheon Company - MA                                 | AFRL, Information Directorate | Resilient C2  | I2O | Dennis McBride    | 2011 | 344,654   |

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| FA875011C0055 | Canadian Commercial Corporation                       | AFRL, Information Directorate           | Resilient C2  | I2O  | Dennis McBride     | 2011 | 1,229,177  |
| FA875011C0056 | Lockheed Martin Information Systems                   | AFRL, Information Directorate           | Resilient C2  | I2O  | Dennis McBride     | 2011 | 365,442    |
| FA875011C0057 | Raytheon Company - MA                                 | AFRL, Information Directorate           | Resilient C2  | I2O  | Dennis McBride     | 2011 | 433,509    |
| FA875011C0070 | Applied Signal Technology                             | AFRL, Information Directorate           | Resilient C2  | I2O  | Dennis McBride     | 2011 | 215,220    |
| FA875011C0071 | Northrop Grumman Information Technology               | AFRL, Information Directorate           | Resilient C2  | I2O  | Dennis McBride     | 2011 | 799,889    |
| FA875011C0074 | Raytheon BBN Technologies Corp.                       | AFRL, Information Directorate           | Persistent Close Air Support (PCAS)                 | TTO  | Stephen Waller     | 2011 | 270,000    |
| FA875011C0080 | University of Virginia                                | AFRL, Information Directorate           | SAFER   | I2O  | Richard Dean       | 2011 | 355,834    |
| FA875011C0096 | International Business Machine Research Center        | AFRL, Information Directorate           | SAFER   | I2O  | Richard Dean       | 2011 | 775,819    |
| FA875011C0098 | BBN Technologies                                      | AFRL, Information Directorate           | SAFER   | I2O  | Richard Dean       | 2011 | 521,205    |
| FA875011C0104 | Pikewerks Corporation                                 | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 806,589    |
| FA875011C0105 | Endeavor Systems                                      | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 640,170    |
| FA875011C0106 | Coveros, Inc  | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 282,534    |
| FA875011C0110 | KoreLogic Inc   | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 1,053,144  |
| FA875011C0113 | Referentia Systems Incorporated                       | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 435,768    |
| FA875011C0115 | Science Application International Corporation         | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 161,838    |
| FA875011C0117 | Insecure.com LLC                                      | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 378,534    |
| FA875011C0136 | Georgia Institute of Technology (Sponsored Programs)  | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 115,966    |
| FA875011C0154 | Physical Devices                                      | AFRL, Information Directorate           | Communications in Extreme Environments              | STO  | Bruce Fette        | 2011 | 31,057     |
| FA875011C0160 | Shared Spectrum Company                               | AFRL, Information Directorate           | Communications in Extreme Environments              | STO  | Bruce Fette        | 2011 | 1,868,870  |
| FA875011C0172 | Logos Technologies, Inc.                              | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 239,707    |
| FA875011C0173 | Qinetiq North America                                 | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 895,526    |
| FA875011C0175 | Semiconductor Research Corporation                    | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 653,520    |
| FA875011C0186 | Leviathan Security Group                              | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 336,605    |
| FA875011C0188 | Ponte Technologies LLC                                | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 75,000     |
| FA875011C0189 | BAE Systems   | AFRL, Information Directorate           | Communications in Extreme Environments              | STO  | Bruce Fette        | 2011 | 1,531,130  |
| FA875011C0200 | Cobham Defense Electronic System-M/A-COM Inc.         | AFRL, Information Directorate           | Advanced Wireless Networks for the Soldier          | STO  | Bruce Fette        | 2011 | 10,286,789 |
| FA875011C0201 | BBN Technologies                                      | AFRL, Information Directorate           | Advanced Wireless Networks for the Soldier          | STO  | Bruce Fette        | 2011 | 10,050,940 |
| FA875011C0202 | FIRST RF CORP   | AFRL, Information Directorate           | Advanced Wireless Networks for the Soldier          | STO  | Bruce Fette        | 2011 | 275,000    |
| FA875011C0227 | Raytheon BBN Technologies Corp.                       | AFRL, Information Directorate           | Cyber Insider Threat                                | I2O  | Peiter Zatko       | 2011 | 393,530    |
| FA875011C0249 | SR1 International                                     | AFRL, Information Directorate           | Resilient Clouds                                    | I2O  | Howard Shrobe      | 2011 | 872,428    |
| FA875011C0250 | Sentar, Inc.  | AFRL, Information Directorate           | Cyber Defense                                       | I2O  | Tim Fraser         | 2011 | 711,815    |
| FA875011C0254 | Telcordia Technologies Inc.                           | AFRL, Information Directorate           | Resilient Clouds                                    | I2O  | Howard Shrobe      | 2011 | 922,067    |
| FA875011C0265 | Adventium Labs  | AFRL, Information Directorate           | Resilient Clouds                                    | I2O  | Howard Shrobe      | 2011 | 365,124    |
| FA875012C0017 | Pikewerks Corporation                                 | AFRL, Information Directorate           | Rapid SW Dev using Binary Components                | I2O  | Dan Roelker        | 2011 | 651,583    |
| FA875012C0021 | Telcordia Technologies Inc.                           | AFRL, Information Directorate           | Rapid SW Dev using Binary Components                | I2O  | Dan Roelker        | 2011 | 1,833,305  |
| FA875012C0022 | BAE Systems   | AFRL, Information Directorate           | Rapid SW Dev using Binary Components                | I2O  | Dan Roelker        | 2011 | 795,757    |
| FA877104D0004 | Northrop Grumman Mission Systems - Fairlakes          | PMO-Defense Travel System               | HQ TRAVEL   | SSO  | Robert Copeland    | 2011 | 20,000     |
| FA945105C0257 | Boeing LTS INC  | AFRL, Directed Energy Directorate       | Space Surveillance Telescope (SST)                  | TTO  | Travis Blake       | 2011 | 398,496    |
| FA945107C0172 | MZA Associates Corporation                            | AFRL, Directed Energy Directorate       | HELLADS   | STO  | Richard Bagnell    | 2011 | 185,507    |
| FA945107D0169 | G A Tyler Associates Inc. The Optical Sciences Co.    | AFRL, Directed Energy Directorate       | HELLADS   | STO  | Richard Bagnell    | 2011 | 1,452,245  |
| FA945107D0203 | Pacific Defense Solutions, LLC                        | AFRL, Directed Energy Directorate       | Space Surveillance Telescope (SST)                  | TTO  | Travis Blake       | 2011 | 1,571,000  |
| FA945108C0167 | University of Missouri                                | AFRL, Directed Energy Directorate       | Integrated High Energy Density Capacitors (IHEDC)   | DSO  | Jamil Abo-Shaer    | 2011 | 445,030    |
| FA945109C0056 | Enig Associates, Inc.                                 | AFRL, Directed Energy Directorate       | SBIR Mission Funds                                  | SBIR | Susan Nichols      | 2011 | 349,251    |
| FA945109C0384 | Science Application International Corporation         | AFRL, Directed Energy Directorate       | HELLADS   | STO  | Richard Bagnell    | 2011 | 76,513     |
| FA945110C0270 | A123Systems, Inc.                                     | AFRL, Directed Energy Directorate       | Tactical Advanced Power (TAP)                       | DSO  | Brian Holloway     | 2011 | 1,701,198  |
| FA945110C0271 | Physical Sciences, Incorporated                       | AFRL, Directed Energy Directorate       | Tactical Advanced Power (TAP)                       | DSO  | Brian Holloway     | 2011 | 142,913    |
| FA94511110297 | California Institute of Technology                    | AFRL, Directed Energy Directorate       | Tactical Advanced Power (TAP)                       | DSO  | Brian Holloway     | 2011 | 225,000    |
| FA945111C0303 | MZA Associates Corporation                            | AFRL, Directed Energy Directorate       | HELLADS   | STO  | Richard Bagnell    | 2011 | 891,996    |
| FA945307D0189 | ATA Aerospace   | AFRL, Space Vehicles Directorate        | Integrated Sensor is Structure (ISIS)               | STO  | Tim Clark          | 2011 | 74,644     |
| FA945311C0244 | Intelligent Software Solutions, Inc.                  | AFRL, Space Vehicles Directorate        | Space Surveillance Telescope (SST)                  | TTO  | Travis Blake       | 2011 | 581,510    |
| FA945311C0265 | LoadPath, LLC   | AFRL, Space Vehicles Directorate        | Open Manufacturing                                  | DSO  | Michael Maher      | 2011 | 1,000,000  |
| FA95500810392 | Celgene Cellular Therapeutics                         | Air Force Office of Scientific Research | Blood Pharming                                      | DSO  | Daniel Wattendorf  | 2011 | 3,687,247  |
| FA95500910033 | University of Wisconsin                               | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 354,212    |
| FA95500910037 | University of Maryland                                | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 1,109,446  |
| FA95500910039 | University of Wisconsin                               | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 760,539    |
| FA95500910040 | University of Wisconsin                               | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 350,328    |
| FA95500910041 | Pennsylvania State University                         | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 910,251    |
| FA95500910044 | University of Washington Office of Sponsored Programs | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 193,082    |
| FA95501010279 | University of Oregon                                  | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 195,286    |
| FA95501010284 | California Institute of Technology                    | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 1,253,251  |
| FA95501010293 | The Regents of the University of CA at Berkeley       | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 586,894    |
| FA95501010297 | Yale University                                       | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 602,428    |
| FA95501010327 | University of Michigan                                | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 583,445    |
| FA95501010361 | Yale University                                       | Air Force Office of Scientific Research | ORCHID/OPT RAD COOLING & HEATING IN INTEG DEVICES)  | MTO  | Jamil Abo-Shaer    | 2011 | 292,965    |
| FA95501010497 | Clemson University                                    | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 159,999    |
| FA95501110270 | University of California, Berkeley                    | Air Force Office of Scientific Research | Quantum-Assisted Sensing and Readout (QuASAR)       | DSO  | Jamil Abo-Shaer    | 2011 | 100,000    |
| FA95501110280 | Drexel University                                     | Air Force Office of Scientific Research | Microscale Plasma Devices                           | MTO  | Daniel Purdy       | 2011 | 300,000    |
| FA95501210001 | University of Rochester                               | Air Force Office of Scientific Research | QUEST - Quantum Entanglement Science and Technology | MTO  | Jagdeep Shah       | 2011 | 340,000    |
| FA95501210006 | Tufts University                                      | Air Force Office of Scientific Research | Microscale Plasma Devices                           | MTO  | Daniel Purdy       | 2011 | 317,406    |
| FA95501210033 | University of Michigan                                | Air Force Office of Scientific Research | (STT-RAM)Spin Torque Transfer-Random Access Memory  | MTO  | Devanand K. Shenoy | 2011 | 5,418      |
| FA95501210033 | University of Michigan                                | Air Force Office of Scientific Research | NON VOLATILE LOGIC                                  | MTO  | Devanand K. Shenoy | 2011 | 145,739    |
| H9400304D0002 | BAE Systems   | Defense Microelectronics Activity       | LRASM   | TTO  | Robert McHenry     | 2011 | 24,188,926 |
| H9823004D0402 | L-3 Communication Corporations                        | National Security Agency                | SID Security Support                                | SSO  | Brian Eshenbrenner | 2011 | 202,536    |
| H9823007D0084 | Mykotronx Inc.  | National Security Agency                | SID Security Support                                | SSO  | Brian Eshenbrenner | 2011 | 18,600     |
| H9823008D0092 | General Dynamics C4 Systems                           | National Security Agency                | SID Security Support                                | SSO  | Brian Eshenbrenner | 2011 | 718,050    |
| HC104705D4000 | Georgia Tech Research Institute                       | Defense Technical Information Center    | I2O Mgmt Initiatives CCS-02                         | I2O  | Wendy Smith        | 2011 | 614,000    |



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| HHM40208D0015 | Cordova Support Services, dba ADC, Ltd.                      | Defense Intelligence Agency               | SID SECURITY SUPPORT                                    | SSO  | Brian Eshenbrenner | 2011 | 50,000     |
| HR00110610003 | University of Pennsylvania                                   | Defense Advanced Research Projects Agency | Global Autonomous Language Exploitation (GALE)          | I2O  | Bonnie Dorr        | 2011 | 3,417,981  |
| HR00110610009 | Foundation for Enterprise Development                        | Defense Advanced Research Projects Agency | DIRO SBIR ADMIN   | SBIR | Susan Nichols      | 2011 | 5,165      |
| HR00110690004 | Total Immersion Software, Inc.                               | Defense Advanced Research Projects Agency | Real World  | I2O  | Daniel M. Kaufman  | 2011 | 4,000,000  |
| HR001106C0003 | BAE Systems  | Defense Advanced Research Projects Agency | Global Autonomous Language Exploitation (GALE)          | I2O  | Bonnie Dorr        | 2011 | 666,667    |
| HR001106C0022 | BBN Technologies   | Defense Advanced Research Projects Agency | Global Autonomous Language Exploitation (GALE)          | I2O  | Bonnie Dorr        | 2011 | 2,155,877  |
| HR001106C0051 | BBN Technologies   | Defense Advanced Research Projects Agency | QUANTUM INFORMATION SCIENCE(QIS)                        | MTO  | Jagdeep Shah       | 2011 | 646,427    |
| HR001106C0051 | BBN Technologies   | Defense Advanced Research Projects Agency | ZETA  | MTO  | Jagdeep Shah       | 2011 | 542,500    |
| HR001106C0052 | HRL Laboratories, LLC  | Defense Advanced Research Projects Agency | QUANTUM INFORMATION SCIENCE(QIS)                        | MTO  | Jagdeep Shah       | 2011 | 4,851,703  |
| HR001106C0052 | HRL Laboratories, LLC  | Defense Advanced Research Projects Agency | ZETA  | MTO  | Jagdeep Shah       | 2011 | 22,186,500 |
| HR001106C0127 | CACI Dynamic Systems Inc.                                    | Defense Advanced Research Projects Agency | SECURITY SUPPORT  | SSO  | Brian Eshenbrenner | 2011 | 2,906,233  |
| HR001106C0127 | CACI Dynamic Systems Inc.                                    | Defense Advanced Research Projects Agency | SID SECURITY SUPPORT                                    | SSO  | Brian Eshenbrenner | 2011 | 1,269,799  |
| HR001106C0127 | CACI Dynamic Systems Inc.                                    | Defense Advanced Research Projects Agency | SID Security Support                                    | SSO  | Brian Eshenbrenner | 2011 | 4,000,000  |
| HR001106C0127 | CACI Dynamic Systems Inc.                                    | Defense Advanced Research Projects Agency | SID Security Support                                    | SSO  | Brian Eshenbrenner | 2011 | 4,873,443  |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | IRD OFFICE SUPPORT                                      | SSO  | Kevin Buckman      | 2011 | 743,160    |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | IRD OFFICE SUPPORT                                      | SSO  | Kevin Buckman      | 2011 | 5,853,592  |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | ITS Office Support                                      | SSO  | Kevin Buckman      | 2011 | 1,219,362  |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | ITS Office Support                                      | SSO  | Kevin Buckman      | 2011 | 9,683,000  |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | ITS Office Support                                      | SSO  | Kevin Buckman      | 2011 | 219,000    |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | ITS Office Support                                      | SSO  | Kevin Buckman      | 2011 | 4,288,505  |
| HR001106D0001 | RS Information Systems, Inc.                                 | Defense Advanced Research Projects Agency | ITS SUPPOT  | SSO  | Kevin Buckman      | 2011 | 516,000    |
| HR001106D0001 | Wyle Information Systems, LLC                                | Defense Advanced Research Projects Agency | ITS Office Support                                      | SSO  | Kevin Buckman      | 2011 | 350,725    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | ACTUV   | TTO  | Robert McHenry     | 2011 | 1,304,134  |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Adaptable Navigation Systems                            | STO  | Stefanie Tompkins  | 2011 | 146,303    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Anomaly Detection at Multiple Scales (ADAMS)            | I2O  | Rand Waltzman      | 2011 | 550,470    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Distributed Agile Submarine Hunting (DASH)              | STO  | Andrew Coon        | 2011 | 681,936    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | HALOE   | STO  | Brent Appleby      | 2011 | 227,460    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | I2O Mgmt Initiatives CCC-01                             | I2O  | Wendy Smith        | 2011 | 795,785    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | LRASM   | TTO  | Robert McHenry     | 2011 | 1,884,638  |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel       | 2011 | 118,874    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Non-Traditional Active Sonar                            | STO  | Andrew Coon        | 2011 | 282,509    |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Scalable Network Monitoring                             | I2O  | Tim Fraser         | 2011 | 1,219,412  |
| HR001106D0003 | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | System F6   | TTO  | Paul Eremenko      | 2011 | 458,630    |
| HR00110710002 | University of Illinois at Urbana-Champaign                   | Defense Advanced Research Projects Agency | Sensor Topology for Minimal Planning (SToMP)            | DSO  | Anthony Falcone    | 2011 | 724,889    |
| HR00110790001 | Cray Inc.  | Defense Advanced Research Projects Agency | HPCS  | MTO  | Charlie Holland    | 2011 | 1,000,000  |
| HR00110790007 | KL A Tencor  | Defense Advanced Research Projects Agency | MASKLESS NANOWRITER                                     | MTO  | Joseph A. Mangano  | 2011 | 10,460,000 |
| HR001107C0001 | QinetiQ, Ltd.  | Defense Advanced Research Projects Agency | LACOSTE   | STO  | Tim Clark          | 2011 | 205,600    |
| HR001107D0002 | Schafer Corporation  | Defense Advanced Research Projects Agency | STO Management - NET-01                                 | STO  | Patrick W. Bailey  | 2011 | 307,600    |
| HR001107D0003 | Solers, Inc.   | Defense Advanced Research Projects Agency | STO Management - NET-01                                 | STO  | Patrick W. Bailey  | 2011 | 351,078    |
| HR001107D0004 | SRS Technologies   | Defense Advanced Research Projects Agency | HALOE   | STO  | Brent Appleby      | 2011 | 500,000    |
| HR001107D0004 | SRS Technologies   | Defense Advanced Research Projects Agency | National Cyber Range                                    | STO  | Jinendra Ranka     | 2011 | 194,854    |
| HR001107D0004 | SRS Technologies   | Defense Advanced Research Projects Agency | STO Management - NET-01                                 | STO  | Patrick W. Bailey  | 2011 | 400,377    |
| HR001107D0005 | System Planning Corporation                                  | Defense Advanced Research Projects Agency | River Eye   | STO  | Andrew Coon        | 2011 | 95,593     |
| HR001107D0005 | System Planning Corporation                                  | Defense Advanced Research Projects Agency | STO Management - NET-01                                 | STO  | Patrick W. Bailey  | 2011 | 346,824    |
| HR001107D0005 | System Planning Corporation                                  | Defense Advanced Research Projects Agency | TANGO BRAVO   | STO  | John C. Kamp       | 2011 | 105,001    |
| HR00110810004 | University of Pennsylvania                                   | Defense Advanced Research Projects Agency | MADCAT  | I2O  | Bonnie Dorr        | 2011 | 1,175,000  |
| HR00110810075 | Georgia Tech Research Corporation (Sponsored Programs)       | Defense Advanced Research Projects Agency | Disruptive Manufacturing Technologies                   | DSO  | William Coblenz    | 2011 | 679,352    |
| HR00110810091 | Stanford University  | Defense Advanced Research Projects Agency | 23 Mathematical Challenges                              | DSO  | Anthony Falcone    | 2011 | 374,282    |
| HR00110810092 | New York University  | Defense Advanced Research Projects Agency | 23 Mathematical Challenges                              | DSO  | Anthony Falcone    | 2011 | 586,401    |
| HR00110810093 | Institute for Advanced Study                                 | Defense Advanced Research Projects Agency | Focus Areas in Theoretical Mathematics (FATHm)          | DSO  | Anthony Falcone    | 2011 | 355,881    |
| HR00110890001 | Oracle America, Inc.   | Defense Advanced Research Projects Agency | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)       | MTO  | Jagdeep Shah       | 2011 | 9,890,000  |
| HR001108C0004 | BBN Technologies   | Defense Advanced Research Projects Agency | MADCAT  | I2O  | Bonnie Dorr        | 2011 | 7,520,461  |
| HR001108C0005 | Raytheon Company   | Defense Advanced Research Projects Agency | IRIS (MTO)  | MTO  | Carl McCants       | 2011 | 305,201    |
| HR001108C0019 | Honeywell Inc  | Defense Advanced Research Projects Agency | COUGAR  | MTO  | Scott Rodgers      | 2011 | 7,177,821  |
| HR001108C0021 | Princeton Lightwave, Inc.                                    | Defense Advanced Research Projects Agency | SPI-3D; Standoff Precision ID in 3D                     | I2O  | Evan Fortunato     | 2011 | 50,741     |
| HR001108C0055 | Foster Miller  | Defense Advanced Research Projects Agency | Chemical Reconnaissance                                 | STO  | Brent Appleby      | 2011 | 710,163    |
| HR001108C0056 | BAE Systems Information & Electronic Systems Integration Inc | Defense Advanced Research Projects Agency | Chemical Reconnaissance                                 | STO  | Brent Appleby      | 2011 | 357,074    |
| HR001108C0090 | Lockheed Martin Aeronautical Systems                         | Defense Advanced Research Projects Agency | Aero-Adaptive/Aero-Optic Beam Control (ABC)             | STO  | Richard Bagnell    | 2011 | 1,137,171  |
| HR001108C0090 | Lockheed Martin Aeronautical Systems                         | Defense Advanced Research Projects Agency | HELLADS   | STO  | Richard Bagnell    | 2011 | 5,100,000  |
| HR001108C0102 | International Business Machine Research Center               | Defense Advanced Research Projects Agency | POEM(PHOTONICALLY OPT EMBEDDED MICROPROCESSORS)         | MTO  | Jagdeep Shah       | 2011 | 308,646    |
| HR001108C0110 | International Business Machines, Inc                         | Defense Advanced Research Projects Agency | Global Autonomous Language Exploitation (GALE)          | I2O  | Bonnie Dorr        | 2011 | 906,865    |
| HR001108C0111 | University of Central Florida                                | Defense Advanced Research Projects Agency | Optical RF Communications Adjunct (ORCA)                | STO  | Richard Ridgway    | 2011 | 56,608     |
| HR001108C0120 | Acuity Consulting Inc.                                       | Defense Advanced Research Projects Agency | CFO AUDIT CORRECTION                                    | COMP | Dan Roell          | 2011 | 584,667    |
| HR001108C0124 | Northrop Grumman Space and Mission Systems Corporation       | Defense Advanced Research Projects Agency | EXCALIBUR   | MTO  | Joseph A. Mangano  | 2011 | 1,683,993  |
| HR001108C0135 | Kitware  | Defense Advanced Research Projects Agency | Video And Image Retrieval and Analysis Tool             | I2O  | Benjamin Cutler    | 2011 | 2,888,330  |
| HR00110910003 | Smith College  | Defense Advanced Research Projects Agency | Focus Areas in Theoretical Mathematics (FATHm)          | DSO  | Anthony Falcone    | 2011 | 293,431    |
| HR00110910005 | Harvard University   | Defense Advanced Research Projects Agency | QUEST - Quantum Entanglement Science and Technology     | MTO  | Jagdeep Shah       | 2011 | 1,399,995  |
| HR00110910006 | University of California Santa Barbara                       | Defense Advanced Research Projects Agency | QUEST - Quantum Entanglement Science and Technology     | MTO  | Jagdeep Shah       | 2011 | 2,550,843  |
| HR00110910007 | Princeton University   | Defense Advanced Research Projects Agency | QUEST - Quantum Entanglement Science and Technology     | MTO  | Jagdeep Shah       | 2011 | 2,321,367  |
| HR00110910015 | University of California, Berkeley                           | Defense Advanced Research Projects Agency | Focus Areas in Theoretical Mathematics (FATHm)          | DSO  | Anthony Falcone    | 2011 | 409,549    |
| HR00110910048 | Massachusetts Institute of Technology                        | Defense Advanced Research Projects Agency | 23 Mathematical Challenges                              | DSO  | Anthony Falcone    | 2011 | 486,202    |
| HR00110920002 | Monterey Bay Aquarium Research Institute                     | Defense Advanced Research Projects Agency | Renewable At-Sea Power                                  | STO  | Aaron Lazarus      | 2011 | 797,541    |
| HR00110920003 | Nanyang Technological University                             | Defense Advanced Research Projects Agency | Advanced Soldier Portable Power                         | STO  | Mita Desai         | 2011 | 51,619     |
| HR00110930002 | Hewlett Packard Company (Palo Alto)                          | Defense Advanced Research Projects Agency | SERS S&T FUNDAMENTALS                                   | MTO  | Timothy Broderick  | 2011 | 800,027    |
| HR001109C0001 | HRL Laboratories, LLC  | Defense Advanced Research Projects Agency | SynAPSE   | DSO  | Todd Hylton        | 2011 | 9,232,000  |
| HR001109C0002 | International Business Machines, Inc                         | Defense Advanced Research Projects Agency | SynAPSE   | DSO  | Todd Hylton        | 2011 | 9,253,728  |

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| HR001109C0016 | Teledyne Scientific and Imaging, LLC                         | Defense Advanced Research Projects Agency | EXACTO  | TTO  | Joseph Hitt           | 2011 | 21,771,843 |
| HR001109C0023 | Grandis, Inc   | Defense Advanced Research Projects Agency | (STT-RAM)Spin Torque Transfer-Random Access Memory            | MTO  | Devanand K. Shenoy    | 2011 | 3,954,836  |
| HR001109C0031 | Frontier Systems Integrators, LLC.                           | Defense Advanced Research Projects Agency | SID Security Support  | SSO  | Brian Eshenbrenner    | 2011 | 6,434,964  |
| HR001109C0034 | General Atomics  | Defense Advanced Research Projects Agency | BioFuels - Alternative Feedstocks                             | STO  | Robert Mantz          | 2011 | 8,161,138  |
| HR001109C0036 | Lockheed Martin Aeronautics, Adv Dev Programs                | Defense Advanced Research Projects Agency | Integrated Sensor is Structure (ISIS)                         | STO  | Tim Clark             | 2011 | 19,200,831 |
| HR001109C0047 | International Business Machine Research Center               | Defense Advanced Research Projects Agency | QUEST - Quantum Entanglement Science and Technology           | MTO  | Jagdeep Shah          | 2011 | 670,961    |
| HR001109C0056 | The Boeing Company   | Defense Advanced Research Projects Agency | DiscRotor   | TTO  | Daniel Newman         | 2011 | 852,500    |
| HR001109C0060 | Teledyne Industries, Inc.                                    | Defense Advanced Research Projects Agency | Terahertz Electronics   | MTO  | John Albrecht         | 2011 | 5,905,763  |
| HR001109C0062 | Northrop Grumman Space and Mission Systems Corporation       | Defense Advanced Research Projects Agency | Terahertz Electronics   | MTO  | John Albrecht         | 2011 | 10,305,763 |
| HR001109C0063 | Science Application International Corporation                | Defense Advanced Research Projects Agency | Terahertz Electronics   | MTO  | John Albrecht         | 2011 | 300,000    |
| HR001109C0079 | Argon ST, Inc.   | Defense Advanced Research Projects Agency | Adaptable Navigation Systems                                  | STO  | Stefanie Tompkins     | 2011 | 6,557,455  |
| HR001109C0088 | Booz, Allen & Hamilton, Inc.                                 | Defense Advanced Research Projects Agency | Tech Dev SPC-01   | TTO  | David L. Neyland      | 2011 | 3,894,931  |
| HR001109C0096 | Lockheed Martin Corp., Missiles & Fire Control               | Defense Advanced Research Projects Agency | LRASM   | TTO  | Robert McHenry        | 2011 | 2,601,447  |
| HR001109C0097 | Lockheed Martin Corp., Missiles & Fire Control               | Defense Advanced Research Projects Agency | LRASM   | TTO  | Robert McHenry        | 2011 | 36,976,800 |
| HR001109C0099 | BAE Systems Information & Electronic Systems Integration Inc | Defense Advanced Research Projects Agency | Basic Research on Ionospheric Characteristics and Effects     | DSO  | Matthew Goodman       | 2011 | 1,985,162  |
| HR001109C0101 | BAE Systems National Security Solutions Inc.                 | Defense Advanced Research Projects Agency | Urban Reasoning & Geospatial Exploitation Technology (URGENT) | AEO  | Fred Schnarre         | 2011 | 984,859    |
| HR001109C0105 | Sport and Health, Inc.                                       | Defense Advanced Research Projects Agency | Administrative Services                                       | SSO  | Robert Copeland       | 2011 | 14,000     |
| HR001109C0105 | Sport and Health, Inc.                                       | Defense Advanced Research Projects Agency | Facility Services   | SSO  | Mark Swanstrom        | 2011 | 4,400      |
| HR001109C0106 | Gold's Gym & Aerobics Center                                 | Defense Advanced Research Projects Agency | Facility Services   | SSO  | Mark Swanstrom        | 2011 | 7,600      |
| HR001109C0111 | General Dynamics Advanced Information Systems                | Defense Advanced Research Projects Agency | Labrador 6.3  | I2O  | Brian Leininger       | 2011 | 10,202,005 |
| HR001109C0116 | AO Sense Inc.  | Defense Advanced Research Projects Agency | Adaptable Navigation Systems                                  | STO  | Stefanie Tompkins     | 2011 | 12,255,564 |
| HR001109C0121 | HRL Laboratories, LLC  | Defense Advanced Research Projects Agency | RF PHOTONICS  | MTO  | Scott Rodgers         | 2011 | 160,479    |
| HR001109C0122 | California Institute of Technology                           | Defense Advanced Research Projects Agency | RF PHOTONICS  | MTO  | Scott Rodgers         | 2011 | 1,286,553  |
| HR001109C0123 | University of California Santa Barbara                       | Defense Advanced Research Projects Agency | RF PHOTONICS  | MTO  | Scott Rodgers         | 2011 | 3,147,465  |
| HR001109C0124 | University of California, Berkeley                           | Defense Advanced Research Projects Agency | RF PHOTONICS  | MTO  | Scott Rodgers         | 2011 | 294,427    |
| HR001109C0126 | HRL Laboratories, LLC  | Defense Advanced Research Projects Agency | NITRIDE ELECTRONIC NEXT GENERATION TECHNOLOGY(NEXT)           | MTO  | John Albrecht         | 2011 | 2,800,000  |
| HR001109C0132 | Northrop Grumman Space and Mission Systems Corporation       | Defense Advanced Research Projects Agency | NITRIDE ELECTRONIC NEXT GENERATION TECHNOLOGY(NEXT)           | MTO  | John Albrecht         | 2011 | 941,685    |
| HR001109C0145 | Science Application International Corporation                | Defense Advanced Research Projects Agency | ZETA  | MTO  | Jagdeep Shah          | 2011 | 500,000    |
| HR001109F0003 | McLaughlin Research Corporation                              | Defense Advanced Research Projects Agency | CMO ADMIN   | CMO  | Scott Ulrey           | 2011 | 224,188    |
| HR001109F0004 | Mark G Anderson Consultants, Inc                             | Defense Advanced Research Projects Agency | OMO Building Move   | SSO  | Robert Copeland       | 2011 | 12,344,000 |
| HR001109F0005 | Capital City Technologies, Inc.                              | Defense Advanced Research Projects Agency | ACCOUNTING SUPPORT  | COMP | Dan Roell             | 2011 | 471,180    |
| HR001109F0005 | Capital City Technologies, Inc.                              | Defense Advanced Research Projects Agency | ACCOUNTING SUPPORT  | COMP | Dan Roell             | 2011 | 2,449,016  |
| HR00111010008 | University of California, Los Angeles                        | Defense Advanced Research Projects Agency | Physical Intelligence   | DSO  | Todd Hylton           | 2011 | 1,224,000  |
| HR00111010009 | University of California, Los Angeles                        | Defense Advanced Research Projects Agency | Physical Intelligence   | DSO  | Todd Hylton           | 2011 | 1,662,406  |
| HR00111010052 | University of Texas at Austin                                | Defense Advanced Research Projects Agency | Antibody Technology Program (ATP)                             | DSO  | Mildred Danton        | 2011 | 1,765,708  |
| HR00111010054 | Harvard University   | Defense Advanced Research Projects Agency | 23 Mathematical Challenges                                    | DSO  | Anthony Falcone       | 2011 | 231,365    |
| HR00111010054 | Harvard University   | Defense Advanced Research Projects Agency | Focus Areas in Theoretical Mathematics (FATHM)                | DSO  | Anthony Falcone       | 2011 | 270,473    |
| HR00111010056 | University of Oklahoma                                       | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 419,888    |
| HR00111010057 | New Mexico Institute of Mining and Technology                | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 534,363    |
| HR00111010058 | Stanford University  | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 716,978    |
| HR00111010059 | Duke University  | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 650,000    |
| HR00111010060 | University of Washington Office of Sponsored Programs        | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 104,781    |
| HR00111010061 | University of Florida  | Defense Advanced Research Projects Agency | Nimbus  | DSO  | Matthew Goodman       | 2011 | 2,801,262  |
| HR00111010065 | University of Colorado                                       | Defense Advanced Research Projects Agency | Quantum-Assisted Sensing and Readout (QuASAR)                 | DSO  | Jamil Abo-Shaer       | 2011 | 54,924     |
| HR00111010071 | University of Minnesota                                      | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC  | MTO  | Devanand K. Shenoy    | 2011 | 158,000    |
| HR00111010072 | University of Virginia                                       | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC  | MTO  | Devanand K. Shenoy    | 2011 | 465,160    |
| HR00111010074 | Southern Methodist University                                | Defense Advanced Research Projects Agency | CIPHER(CENTERS IN INTEGRATED PHOTONIC ENGINEERING RESEARCH)   | MTO  | Scott Rodgers         | 2011 | 1,118,329  |
| HR00111010075 | Georgia Tech Research Corporation(GTRC)                      | Defense Advanced Research Projects Agency | CIPHER(CENTERS IN INTEGRATED PHOTONIC ENGINEERING RESEARCH)   | MTO  | Scott Rodgers         | 2011 | 1,452,664  |
| HR00111010077 | University of Illinois at Urbana-Champaign                   | Defense Advanced Research Projects Agency | Structural Logic  | STO  | Aaron Lazarus         | 2011 | 820,237    |
| HR00111010079 | University of California Santa Barbara                       | Defense Advanced Research Projects Agency | CIPHER(CENTERS IN INTEGRATED PHOTONIC ENGINEERING RESEARCH)   | MTO  | Scott Rodgers         | 2011 | 2,959,514  |
| HR00111010080 | Columbia University  | Defense Advanced Research Projects Agency | CIPHER(CENTERS IN INTEGRATED PHOTONIC ENGINEERING RESEARCH)   | MTO  | Scott Rodgers         | 2011 | 902,667    |
| HR00111010081 | University of Michigan                                       | Defense Advanced Research Projects Agency | Transformative Apps   | I2O  | Mari Maeda            | 2011 | 500,000    |
| HR00111020001 | Boeing Aerospace Company                                     | Defense Advanced Research Projects Agency | Hybrid Multi-Material Rotor (HMRR)                            | DSO  | Christopher L. Warren | 2011 | 2,188,866  |
| HR00111020002 | University of California, Berkeley                           | Defense Advanced Research Projects Agency | SWEEPER(Short Range Wide Field of View Elec Steered Photonic  | MTO  | Scott Rodgers         | 2011 | 842,789    |
| HR00111020003 | University of California Santa Barbara                       | Defense Advanced Research Projects Agency | SWEEPER(Short Range Wide Field of View Elec Steered Photonic  | MTO  | Scott Rodgers         | 2011 | 1,112,325  |
| HR00111020004 | Corp for National Research Initiatives                       | Defense Advanced Research Projects Agency | Transformative Apps   | I2O  | Mari Maeda            | 2011 | 2,603,252  |
| HR00111030002 | Microelectronics Advanced Research Corporation               | Defense Advanced Research Projects Agency | SEMICONDUCTOR FOCUS CENTERS                                   | MTO  | Jeffrey Rogers        | 2011 | 11,836,000 |
| HR00111030006 | Jazz Semiconductor, Inc                                      | Defense Advanced Research Projects Agency | GRATE   | MTO  | Carl McCants          | 2011 | 1,550,000  |
| HR00111030007 | Intel Corporation  | Defense Advanced Research Projects Agency | UHP   | MTO  | Charlie Holland       | 2011 | 6,089,293  |
| HR00111090001 | Boeing Phantom Works   | Defense Advanced Research Projects Agency | Mission Adaptive Rotor  | TTO  | Daniel Newman         | 2011 | 185,458    |
| HR00111090002 | Sikorsky Aircraft Corporation                                | Defense Advanced Research Projects Agency | Mission Adaptive Rotor  | TTO  | Daniel Newman         | 2011 | 100,487    |
| HR00111090008 | NVIDIA Corp  | Defense Advanced Research Projects Agency | UHP   | MTO  | Charlie Holland       | 2011 | 5,378,013  |
| HR00111090009 | MIT Artificial Intelligence Lab                              | Defense Advanced Research Projects Agency | UHP   | MTO  | Charlie Holland       | 2011 | 1,281,250  |
| HR00111090010 | The Boeing Company   | Defense Advanced Research Projects Agency | Vulture   | TTO  | Barry Ives            | 2011 | 37,827,259 |
| HR00111090011 | GoofyFoot Labs   | Defense Advanced Research Projects Agency | SBIR Increments/MODs  | SBIR | Susan Nichols         | 2011 | 375,000    |
| HR001110A0003 | CACI, Inc., Federal  | Defense Advanced Research Projects Agency | CMO ADMIN   | CMO  | Scott Ulrey           | 2011 | 710,874    |
| HR001110A0003 | CACI, Inc., Federal  | Defense Advanced Research Projects Agency | CMO-SPS   | CMO  | Scott Ulrey           | 2011 | 173,232    |
| HR001110A0004 | Strategic Analysis, Inc.                                     | Defense Advanced Research Projects Agency | CMO ADMIN   | CMO  | Scott Ulrey           | 2011 | 337,329    |
| HR001110A0005 | SRA International, Inc.                                      | Defense Advanced Research Projects Agency | CMO ADMIN   | CMO  | Scott Ulrey           | 2011 | 17,921     |
| HR001110A0005 | SRA International, Inc.                                      | Defense Advanced Research Projects Agency | Management for Office (NET-01)                                | DSO  | Tanya M. Tanner       | 2011 | 50,000     |
| HR001110A0006 | System Planning Corporation                                  | Defense Advanced Research Projects Agency | CMO ADMIN   | CMO  | Scott Ulrey           | 2011 | 1,001,640  |
| HR001110C0006 | Arete Associates   | Defense Advanced Research Projects Agency | River Eye   | STO  | Andrew Coon           | 2011 | 4,088,596  |
| HR001110C0009 | Heat, Light, and Sound Research, Inc.                        | Defense Advanced Research Projects Agency | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 332,509    |
| HR001110C0010 | Adaptive Methods   | Defense Advanced Research Projects Agency | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 687,380    |
| HR001110C0011 | Lockheed Martin Maritime Systems & Sensors                   | Defense Advanced Research Projects Agency | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 1,157,419  |
| HR001110C0012 | STRAD Corporation  | Defense Advanced Research Projects Agency | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 62,531     |

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| HR001110C0013 | Moire Incorporated                                    | Defense Advanced Research Projects Agency | TT-03 Studies  | TTO  | David L. Neyland      | 2011 | 598,295    |
| HR001110C0015 | Tri-Quint Semiconductor Inc.                          | Defense Advanced Research Projects Agency | NITRIDE ELECTRONIC NEXT GENERATION TECHNOLOGY(NEXT)          | MTO  | John Albrecht         | 2011 | 5,481,921  |
| HR001110C0025 | Boston Dynamics, Inc.                                 | Defense Advanced Research Projects Agency | Legged Squad Support System (LS3)                            | TTO  | Joseph Hitt           | 2011 | 16,380,625 |
| HR001110C0031 | Teledyne Industries, Inc.                             | Defense Advanced Research Projects Agency | NeoVision 2  | DSO  | Gill Pratt            | 2011 | 1,677,445  |
| HR001110C0043 | Srico, Inc.   | Defense Advanced Research Projects Agency | ELECTRIC FIELD DETECTOR(E-FED)                               | MTO  | Devanand K. Shenoy    | 2011 | 2,128,997  |
| HR001110C0050 | University of California Santa Barbara                | Defense Advanced Research Projects Agency | STO Studies - IT-03  | STO  | Patrick W. Bailey     | 2011 | 97,727     |
| HR001110C0052 | HRL Laboratories, LLC                                 | Defense Advanced Research Projects Agency | Physical Intelligence  | DSO  | Todd Hyllton          | 2011 | 5,615,210  |
| HR001110C0054 | Cellular Materials International, Inc.                | Defense Advanced Research Projects Agency | Maritime Armor   | DSO  | Christopher L. Warren | 2011 | 1,011,532  |
| HR001110C0057 | Halfaker & Associates, LLC                            | Defense Advanced Research Projects Agency | CMO ADMIN  | CMO  | Scott Ulrey           | 2011 | 213,843    |
| HR001110C0062 | Rockwell Collins, Inc                                 | Defense Advanced Research Projects Agency | RF PHOTONICS   | MTO  | Scott Rodgers         | 2011 | 5,396,036  |
| HR001110C0063 | HRL Laboratories, LLC                                 | Defense Advanced Research Projects Agency | RF PHOTONICS   | MTO  | Scott Rodgers         | 2011 | 1,014,739  |
| HR001110C0063 | HRL Laboratories, LLC                                 | Defense Advanced Research Projects Agency | RF PHOTONICS   | MTO  | Scott Rodgers         | 2011 | 950,000    |
| HR001110C0073 | Duke University                                       | Defense Advanced Research Projects Agency | AWARE  | MTO  | Nibir Dhar            | 2011 | 3,048,004  |
| HR001110C0075 | Bell Boeing, The TiltrotorTeam                        | Defense Advanced Research Projects Agency | Mission Adaptive Rotor                                       | TTO  | Daniel Newman         | 2011 | 82,000     |
| HR001110C0076 | Northrop Grumman Integrated Systems Western Region    | Defense Advanced Research Projects Agency | Autonomous HALE Refueling Demo (AHR)                         | TTO  | James McCormick       | 2011 | 4,143,924  |
| HR001110C0077 | David Breen   | Defense Advanced Research Projects Agency | CMO-SPS  | CMO  | Scott Ulrey           | 2011 | 95,160     |
| HR001110C0078 | Ascent Technology, Inc.                               | Defense Advanced Research Projects Agency | Low-Cost Light Weight Portable Photovoltaics (PoP) DSO       | DSO  | Cynthia Daniell       | 2011 | 2,000,000  |
| HR001110C0079 | MicroLink Devices                                     | Defense Advanced Research Projects Agency | Low-Cost Light Weight Portable Photovoltaics (PoP) DSO       | DSO  | Cynthia Daniell       | 2011 | 1,669,303  |
| HR001110C0080 | SIONYX  | Defense Advanced Research Projects Agency | Low-Cost Light Weight Portable Photovoltaics (PoP) DSO       | DSO  | Cynthia Daniell       | 2011 | 4,009,305  |
| HR001110C0081 | SAIC  | Defense Advanced Research Projects Agency | Low-Cost Light Weight Portable Photovoltaics (PoP) DSO       | DSO  | Cynthia Daniell       | 2011 | 2,524,868  |
| HR001110C0082 | Science Application International Corporation         | Defense Advanced Research Projects Agency | Hybrid Multi-Material Rotor (HMMR)                           | DSO  | Christopher L. Warren | 2011 | 458,858    |
| HR001110C0083 | Goodrich Corporation                                  | Defense Advanced Research Projects Agency | Hybrid Multi-Material Rotor (HMMR)                           | DSO  | Christopher L. Warren | 2011 | 2,374,001  |
| HR001110C0085 | Pratt & Whitney Rocketdyne Inc                        | Defense Advanced Research Projects Agency | Hybrid Multi-Material Rotor (HMMR)                           | DSO  | Christopher L. Warren | 2011 | 41,864     |
| HR001110C0095 | ROCHESTER INSTITUTE OF TECHNOLOGY                     | Defense Advanced Research Projects Agency | studies  | MTO  | Thomas Lee            | 2011 | 201,751    |
| HR001110C0098 | Rockwell Collins, Inc                                 | Defense Advanced Research Projects Agency | Emissive Micro-Display (EMD)                                 | STO  | Alexander Pilipowskyj | 2011 | 1,112,148  |
| HR001110C0100 | University of California, Berkeley                    | Defense Advanced Research Projects Agency | NEAR JUNCTION TRANSPORT                                      | MTO  | Avram Bar-Cohen       | 2011 | 89,247     |
| HR001110C0102 | Quasar  | Defense Advanced Research Projects Agency | Nimbus   | DSO  | Matthew Goodman       | 2011 | 224,386    |
| HR001110C0105 | University of Illinois at Chicago                     | Defense Advanced Research Projects Agency | ULTRA BEAM   | MTO  | Joseph A. Mangano     | 2011 | 691,304    |
| HR001110C0108 | BAE Syst Land & Armaments US Combat Syst              | Defense Advanced Research Projects Agency | META   | TTO  | Paul Eremenko         | 2011 | 1,505,616  |
| HR001110C0110 | SAIC  | Defense Advanced Research Projects Agency | Manufacturable Gradient Index Optics                         | STO  | Stefanie Tompkins     | 2011 | 2,895,241  |
| HR001110C0111 | University of Rochester                               | Defense Advanced Research Projects Agency | Manufacturable Gradient Index Optics                         | STO  | Stefanie Tompkins     | 2011 | 590,241    |
| HR001110C0112 | Kitware   | Defense Advanced Research Projects Agency | Persistent Stare Exploitation & Analysis System (PerSEAS)    | I2O  | Benjamin Cutler       | 2011 | 8,920,000  |
| HR001110C0113 | SRI International                                     | Defense Advanced Research Projects Agency | Chemical Reconnaissance                                      | STO  | Brent Appleby         | 2011 | 53,751     |
| HR001110C0114 | Northrop Grumman Corporation                          | Defense Advanced Research Projects Agency | HALOE  | STO  | Brent Appleby         | 2011 | 3,274,104  |
| HR001110C0115 | General Electric Company                              | Defense Advanced Research Projects Agency | Vulcan   | TTO  | Arthur Mabbett        | 2011 | 16,472,530 |
| HR001110C0117 | Cellular Materials International, Inc.                | Defense Advanced Research Projects Agency | Thermal Management System for Ship Decking                   | STO  | Aaron Lazarus         | 2011 | 799,944    |
| HR001110C0125 | HRL Laboratories, LLC                                 | Defense Advanced Research Projects Agency | Structural Logic   | STO  | Aaron Lazarus         | 2011 | 1,593,789  |
| HR001110C0126 | Qinetiq North America                                 | Defense Advanced Research Projects Agency | Blue Laser for Submarine Laser Communications (SLC)          | STO  | John C. Kamp          | 2011 | 19,450,000 |
| HR001110C0127 | Johns Hopkins Univ - Applied Physics Laboratory       | Defense Advanced Research Projects Agency | Optical RF Communications Adjunct (ORCA)                     | STO  | Richard Ridgway       | 2011 | 9,335,859  |
| HR001110C0143 | Pratt & Whitney Aircraft Corporation Mil Engines      | Defense Advanced Research Projects Agency | Vulcan   | TTO  | Arthur Mabbett        | 2011 | 18,616,773 |
| HR001110C0145 | Georgia Tech Research Corporation(GTRC)               | Defense Advanced Research Projects Agency | UHPC   | UHTO | Charlie Holland       | 2011 | 775,000    |
| HR001110C0148 | Teledyne Scientific and Imaging, LLC                  | Defense Advanced Research Projects Agency | Structural Logic   | STO  | Aaron Lazarus         | 2011 | 718,912    |
| HR001110C0150 | HRL Laboratories, LLC                                 | Defense Advanced Research Projects Agency | SWEEPER(Short Range Wide Field of View Elec Steered Photonic | MTO  | Scott Rodgers         | 2011 | 1,869,261  |
| HR001110C0151 | David Sarnoff Research Center                         | Defense Advanced Research Projects Agency | SWEEPER(Short Range Wide Field of View Elec Steered Photonic | MTO  | Scott Rodgers         | 2011 | 1,864,784  |
| HR001110C0153 | University of California, Los Angeles                 | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC   | MTO  | Devanand K. Shenoy    | 2011 | 2,572,969  |
| HR001110C0155 | Northrop Grumman Aerospace Corp                       | Defense Advanced Research Projects Agency | MOIRE  | TTO  | Travis Blake          | 2011 | 2,741,477  |
| HR001110C0157 | Ball Aerospace  | Defense Advanced Research Projects Agency | MOIRE  | TTO  | Travis Blake          | 2011 | 12,029,356 |
| HR001110C0159 | Raytheon Company                                      | Defense Advanced Research Projects Agency | Information in a Photon (InPho)                              | DSO  | Mark Neifeld          | 2011 | 1,473,597  |
| HR001110C0160 | Grandis, Inc  | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC   | MTO  | Devanand K. Shenoy    | 2011 | 185,540    |
| HR001110C0161 | University of Notre Dame                              | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC   | MTO  | Devanand K. Shenoy    | 2011 | 2,123,367  |
| HR001110C0162 | Raytheon Company                                      | Defense Advanced Research Projects Agency | Information in a Photon (InPho)                              | DSO  | Mark Neifeld          | 2011 | 709,890    |
| HR001110C0175 | Vanderbilt University                                 | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda            | 2011 | 677,795    |
| HR001110C0186 | Lockheed Martin Tactical Systems Company              | Defense Advanced Research Projects Agency | Advanced Sighting System (One Shot)                          | AEO  | Deepak Varshneya      | 2011 | 355,441    |
| HR001110C0187 | Logos Technologies, Inc.                              | Defense Advanced Research Projects Agency | BioFuels - Alternative Feedstocks                            | STO  | Robert Mantz          | 2011 | 19,061,539 |
| HR001110C0189 | NextGen Aeronautics Inc.                              | Defense Advanced Research Projects Agency | Structural Logic   | STO  | Aaron Lazarus         | 2011 | 871,935    |
| HR001110C0192 | NextGen Aeronautics Inc.                              | Defense Advanced Research Projects Agency | Structural Logic   | DSO  | Aaron Lazarus         | 2011 | 1,393,570  |
| HR001110F0001 | OCE   | Defense Advanced Research Projects Agency | Administrative Services                                      | SSO  | Robert Copeland       | 2011 | 103,174    |
| HR001110F0001 | OCE   | Defense Advanced Research Projects Agency | Facility Services  | SSO  | Mark Swanstrom        | 2011 | 206,348    |
| HR001110F0004 | KFORCE Government Solutions, Inc                      | Defense Advanced Research Projects Agency | KGS COMP Support   | COMP | Carol Kramer          | 2011 | 2,019,806  |
| HR001110F0004 | KFORCE Government Solutions, Inc                      | Defense Advanced Research Projects Agency | KGS Tech Office and Travel                                   | COMP | Carol Kramer          | 2011 | 997,467    |
| HR00111110001 | University of California, Berkeley                    | Defense Advanced Research Projects Agency | DSO studies  | DSO  | Tanya M. Tanner       | 2011 | 32,000     |
| HR00111110004 | Boston University                                     | Defense Advanced Research Projects Agency | Information in a Photon (InPho)                              | DSO  | Mark Neifeld          | 2011 | 224,784    |
| HR00111110005 | University of California, Davis                       | Defense Advanced Research Projects Agency | Information in a Photon (InPho)                              | DSO  | Mark Neifeld          | 2011 | 290,000    |
| HR00111110007 | Pennsylvania State University                         | Defense Advanced Research Projects Agency | Maritime Armor   | DSO  | Christopher L. Warren | 2011 | 131,519    |
| HR00111110011 | Georgia Institute of Technology (Sponsored Programs)  | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants          | 2011 | 260,327    |
| HR00111110014 | University of Arkansas                                | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants          | 2011 | 147,371    |
| HR00111120001 | University of Maryland                                | Defense Advanced Research Projects Agency | MTO studies (ES-01)  | MTO  | Thomas Lee            | 2011 | 299,206    |
| HR00111120002 | Stanford University                                   | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf     | 2011 | 1,174,466  |
| HR00111120003 | Harvard University                                    | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf     | 2011 | 524,997    |
| HR00111120006 | California Institute of Technology                    | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf     | 2011 | 753,708    |
| HR00111120007 | University of Washington Office of Sponsored Programs | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf     | 2011 | 890,299    |
| HR00111120008 | Massachusetts Institute of Technology                 | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)                | I2O  | Bonnie Dorr           | 2011 | 108,879    |
| HR00111120009 | University of California, Berkeley                    | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)                | I2O  | Bonnie Dorr           | 2011 | 225,320    |
| HR00111120010 | University of Rochester                               | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)                | I2O  | Bonnie Dorr           | 2011 | 58,869     |
| HR00111120011 | University of Arizona                                 | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)                | I2O  | Bonnie Dorr           | 2011 | 130,966    |
| HR00111120018 | Foundation for Applied Molecular Evolution, Inc       | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf     | 2011 | 90,000     |

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| HR0011120021 | University of California, Berkeley                     | Defense Advanced Research Projects Agency | Diverse & Accessible Heterogeneous Integration             | MTO  | Sanjay Raman       | 2011 | 1,812,191  |
| HR0011130001 | Sanofi Pasteur VaxDesign, Corporation                  | Defense Advanced Research Projects Agency | ADEPT  | DSO  | Daniel Wattendorf  | 2011 | 1,055,970  |
| HR0011190002 | Cybernetica, AS  | Defense Advanced Research Projects Agency | SAFER  | I2O  | Richard Dean       | 2011 | 171,211    |
| HR0011190003 | Nimbus Services Inc.                                   | Defense Advanced Research Projects Agency | SBIR Phase II  | SBIR | Susan Nichols      | 2011 | 374,771    |
| HR0011190004 | RAM Photonics  | Defense Advanced Research Projects Agency | SBIR Phase II  | SBIR | Susan Nichols      | 2011 | 374,938    |
| HR0011190005 | LS Research LLC  | Defense Advanced Research Projects Agency | ADAPT  | STO  | Mark Rich          | 2011 | 1,109,741  |
| HR0011190006 | Blackbox Biometrics LLC                                | Defense Advanced Research Projects Agency | BLAST DOSIMETER  | MTO  | Jeffrey Rogers     | 2011 | 307,333    |
| HR0011190007 | Tela Innovations, Inc                                  | Defense Advanced Research Projects Agency | SBIR Phase II  | SBIR | Susan Nichols      | 2011 | 374,728    |
| HR0011190009 | Micron Technology, Inc.                                | Defense Advanced Research Projects Agency | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)          | MTO  | Jagdeep Shah       | 2011 | 2,217,410  |
| HR00111C0004 | Pratt & Whitney Aircraft Corporation Mil Engines       | Defense Advanced Research Projects Agency | DSO studies  | DSO  | Tanya M. Tanner    | 2011 | 69,874     |
| HR00111C0007 | Stanford University                                    | Defense Advanced Research Projects Agency | UHPC   | MTO  | Charlie Holland    | 2011 | 1,174,634  |
| HR00111C0008 | The Boeing Company                                     | Defense Advanced Research Projects Agency | Triple Target Terminator (T3)                              | TTO  | Stephen Waller     | 2011 | 1,753,837  |
| HR00111C0008 | The Boeing Company                                     | Defense Advanced Research Projects Agency | Triple Target Terminator (T3)                              | TTO  | Stephen Waller     | 2011 | 3,214,000  |
| HR00111C0009 | Raytheon Missile Systems Company                       | Defense Advanced Research Projects Agency | Triple Target Terminator (T3)                              | TTO  | Stephen Waller     | 2011 | 1,000,000  |
| HR00111C0009 | Raytheon Missile Systems Company                       | Defense Advanced Research Projects Agency | Triple Target Terminator (T3)                              | TTO  | Stephen Waller     | 2011 | 4,000,000  |
| HR00111C0014 | General Atomics  | Defense Advanced Research Projects Agency | HELLADS  | STO  | Richard Bagnell    | 2011 | 2,200,852  |
| HR00111C0014 | General Atomics  | Defense Advanced Research Projects Agency | HELLADS  | STO  | Richard Bagnell    | 2011 | 22,151,873 |
| HR00111C0016 | SRI International                                      | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 415,798    |
| HR00111C0017 | International Computer Science Institute               | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 317,763    |
| HR00111C0018 | MAYA Design Group, Inc.                                | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 399,990    |
| HR00111C0019 | Metronome Software, LLC                                | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 362,235    |
| HR00111C0020 | METRON   | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 750,667    |
| HR00111C0022 | Local Motors, Inc.                                     | Defense Advanced Research Projects Agency | FANG   | TTO  | Paul Eremenko      | 2011 | 687,650    |
| HR00111C0023 | BAE Systems Advanced Infor Tech Inc                    | Defense Advanced Research Projects Agency | BLADE  | I2O  | Yiftach Eisenberg  | 2011 | 7,389,947  |
| HR00111C0025 | VANU, Inc.   | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 747,830    |
| HR00111C0029 | Aterrasys LLC  | Defense Advanced Research Projects Agency | Advanced Soldier Sensor Information System & Technology    | I2O  | Mari Maeda         | 2011 | 1,750,000  |
| HR00111C0029 | Aterrasys LLC  | Defense Advanced Research Projects Agency | I2O Mgmt Initiatives TRS-01                                | I2O  | Wendy Smith        | 2011 | 140,000    |
| HR00111C0029 | Aterrasys LLC  | Defense Advanced Research Projects Agency | Transformative Apps  | I2O  | Mari Maeda         | 2011 | 3,543,458  |
| HR00111C0032 | Northrop Grumman Corporation                           | Defense Advanced Research Projects Agency | microPNT   | MTO  | Andrei Shkel       | 2011 | 369,739    |
| HR00111C0033 | Lockheed Martin Advanced Technologies Lab              | Defense Advanced Research Projects Agency | BLADE  | I2O  | Yiftach Eisenberg  | 2011 | 4,480,054  |
| HR00111C0033 | Lockheed Martin Advanced Technologies Lab              | Defense Advanced Research Projects Agency | BLADE  | I2O  | Yiftach Eisenberg  | 2011 | 639,497    |
| HR00111C0036 | Honeywell Inc  | Defense Advanced Research Projects Agency | microPNT   | MTO  | Andrei Shkel       | 2011 | 767,398    |
| HR00111C0038 | National Academy of Sciences                           | Defense Advanced Research Projects Agency | DIRO Support   | COMP | Jeanette Milos     | 2011 | 892,625    |
| HR00111C0045 | The Charles Stark Draper Laboratory, Inc.              | Defense Advanced Research Projects Agency | Micro-Technology for Positioning, Navigation and Timing    | MTO  | Andrei Shkel       | 2011 | 565,943    |
| HR00111C0046 | Syston Donner Inertial                                 | Defense Advanced Research Projects Agency | Micro-Technology for Positioning, Navigation and Timing    | MTO  | Andrei Shkel       | 2011 | 386,055    |
| HR00111C0047 | Science Application International Corporation          | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 6,405,795  |
| HR00111C0048 | BAE Systems National Security Solutions Inc.           | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 4,069,764  |
| HR00111C0049 | Dassault Systemes Americas Corporation                 | Defense Advanced Research Projects Agency | META   | TTO  | Paul Eremenko      | 2011 | 2,164,924  |
| HR00111C0050 | BAE Systems National Security Solutions Inc.           | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 3,008,371  |
| HR00111C0051 | Charles River Analytics, Inc.                          | Defense Advanced Research Projects Agency | I2O Mgmt Initiatives IT-03                                 | I2O  | Wendy Smith        | 2011 | 153,302    |
| HR00111C0051 | Charles River Analytics, Inc.                          | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 1,720,904  |
| HR00111C0052 | Lockheed Martin Aeronautical Systems                   | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 7,192,554  |
| HR00111C0053 | Total Immersion Software, Inc.                         | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 3,069,943  |
| HR00111C0054 | Arctan Group LLC                                       | Defense Advanced Research Projects Agency | Insight  | I2O  | Benjamin Cutler    | 2011 | 199,377    |
| HR00111C0057 | Wyle Information Systems, LLC                          | Defense Advanced Research Projects Agency | ITS Office Support   | SSO  | Kevin Buckman      | 2011 | 10,000,000 |
| HR00111C0057 | Wyle Information Systems, LLC                          | Defense Advanced Research Projects Agency | ITS Office Support   | SSO  | Kevin Buckman      | 2011 | 2,796,934  |
| HR00111C0058 | Raytheon Company                                       | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 2,500,824  |
| HR00111C0059 | Boeing Aerospace Company                               | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 1,859,691  |
| HR00111C0060 | International Business Machines, Inc                   | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 1,660,138  |
| HR00111C0061 | UOP LLC  | Defense Advanced Research Projects Agency | BioFuels - Alternative Feedstocks                          | STO  | Robert Mantz       | 2011 | 497,075    |
| HR00111C0063 | Raytheon Integrated Defense Systems                    | Defense Advanced Research Projects Agency | Chemical Analysis Sans Machinery (CASM)                    | DSO  | Tanya M. Tanner    | 2011 | 3,894,287  |
| HR00111C0065 | R3Logic, Inc.  | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 388,371    |
| HR00111C0066 | Orora Design Technologies, Inc.                        | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 1,553,000  |
| HR00111C0067 | USC Information Sciences Institute                     | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 1,000,000  |
| HR00111C0068 | Luna Innovations, Inc.                                 | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 3,094,700  |
| HR00111C0069 | Raytheon Missile Systems Company                       | Defense Advanced Research Projects Agency | STO Management - MBT-02                                    | STO  | Patrick W. Bailey  | 2011 | 350,000    |
| HR00111C0069 | Raytheon Missile Systems Company                       | Defense Advanced Research Projects Agency | Structural Logic   | DSO  | Aaron Lazarus      | 2011 | 235,536    |
| HR00111C0069 | Raytheon Missile Systems Company                       | Defense Advanced Research Projects Agency | Structural Logic   | STO  | Aaron Lazarus      | 2011 | 900,489    |
| HR00111C0071 | Materials Modification, Inc.                           | Defense Advanced Research Projects Agency | Lightweight Ceramic Armor                                  | STO  | Stefanie Tompkins  | 2011 | 1,573,228  |
| HR00111C0072 | AO Sense Inc.  | Defense Advanced Research Projects Agency | Quantum-Assisted Sensing and Readout (QuASAR)              | DSO  | Jamil Abo-Shaer    | 2011 | 899,392    |
| HR00111C0073 | Harvard University                                     | Defense Advanced Research Projects Agency | Quantum-Assisted Sensing and Readout (QuASAR)              | DSO  | Jamil Abo-Shaer    | 2011 | 3,321,339  |
| HR00111C0074 | Oregon State University                                | Defense Advanced Research Projects Agency | NON VOLATILE LOGIC   | MTO  | Devanand K. Shenoy | 2011 | 209,978    |
| HR00111C0075 | BAE Systems  | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 1,006,773  |
| HR00111C0076 | Hardwire, LLC  | Defense Advanced Research Projects Agency | Soldier Protection Systems                                 | DSO  | Judah Goldwasser   | 2011 | 437,457    |
| HR00111C0077 | Applied Signal Technology                              | Defense Advanced Research Projects Agency | Labrador 6.3   | I2O  | Brian Leininger    | 2011 | 276,685    |
| HR00111C0077 | Applied Signal Technology                              | Defense Advanced Research Projects Agency | Wide Area Surveillance - OCO                               | I2O  | Brian Leininger    | 2011 | 500,000    |
| HR00111C0078 | The Charles Stark Draper Laboratory, Inc.              | Defense Advanced Research Projects Agency | Adaptable Navigation Systems                               | STO  | Stefanie Tompkins  | 2011 | 599,923    |
| HR00111C0080 | Science Application International Corporation          | Defense Advanced Research Projects Agency | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer    | 2011 | 390,069    |
| HR00111C0081 | SRI International                                      | Defense Advanced Research Projects Agency | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer    | 2011 | 397,942    |
| HR00111C0085 | New Mexico State University                            | Defense Advanced Research Projects Agency | Vulture  | TTO  | Barry Ives         | 2011 | 365,063    |
| HR00111C0086 | Tetra Vue, Inc.  | Defense Advanced Research Projects Agency | Blue Laser for Submarine Laser Communications (SLC)        | STO  | John C. Kamp       | 2011 | 577,165    |
| HR00111C0088 | SRI International                                      | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 4,331,797  |
| HR00111C0091 | Case Western Reserve University & University Hospitals | Defense Advanced Research Projects Agency | IRIS (MTO)   | MTO  | Carl McCants       | 2011 | 984,467    |
| HR00111C0092 | GE Global Research                                     | Defense Advanced Research Projects Agency | FANG   | TTO  | Paul Eremenko      | 2011 | 1,692,369  |
| HR00111C0093 | Harvard University                                     | Defense Advanced Research Projects Agency | Prophecy (Pathogen Defeat)                                 | DSO  | Michael Callahan   | 2011 | 2,971,834  |
| HR00111C0094 | University of California San Francisco                 | Defense Advanced Research Projects Agency | Prophecy (Pathogen Defeat)                                 | DSO  | Michael Callahan   | 2011 | 2,971,833  |

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| HR00111C0095  | University of Massachusetts                                  | Defense Advanced Research Projects Agency | Prophecy (Pathogen Defeat)                          | DSO  | Michael Callahan   | 2011 | 2,971,833 |
| HR00111C0096  | University of Pennsylvania                                   | Defense Advanced Research Projects Agency | FANG  | TTO  | Paul Eremenko      | 2011 | 767,645   |
| HR00111C0097  | Corp for National Research Initiatives                       | Defense Advanced Research Projects Agency | Manufacturable Gradient Index Optics                | STO  | Stefanie Tompkins  | 2011 | 108,631   |
| HR00111C0098  | Vanderbilt University  | Defense Advanced Research Projects Agency | FANG  | TTO  | Paul Eremenko      | 2011 | 1,367,364 |
| HR00111C0099  | Georgia Tech Applied Research Corporation                    | Defense Advanced Research Projects Agency | FANG  | TTO  | Paul Eremenko      | 2011 | 1,447,455 |
| HR00111C0100  | Massachusetts Institute of Technology                        | Defense Advanced Research Projects Agency | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)   | MTO  | Jagdeep Shah       | 2011 | 2,224,515 |
| HR00111C0101  | Lockheed Martin Maritime Systems & Sensors                   | Defense Advanced Research Projects Agency | Military Imaging and Surveillance Technology        | STO  | Jinendra Ranka     | 2011 | 3,739,766 |
| HR00111C0102  | Optigrate  | Defense Advanced Research Projects Agency | Blue Laser for Submarine Laser Communications (SLC) | STO  | John C. Kamp       | 2011 | 247,127   |
| HR00111C0104  | Optigrate  | Defense Advanced Research Projects Agency | Optical RF Communications Adjunct (ORCA)            | STO  | Richard Ridgway    | 2011 | 248,046   |
| HR00111C0105  | General Atomics  | Defense Advanced Research Projects Agency | HELLADS   | STO  | Richard Bagnell    | 2011 | 1,868,827 |
| HR00111C0106  | WiTricity Corporation  | Defense Advanced Research Projects Agency | Tactical Advanced Power (TAP)                       | DSO  | Brian Holloway     | 2011 | 181,355   |
| HR00111C0107  | Tethers Unlimited, Inc.                                      | Defense Advanced Research Projects Agency | SPC-01 Studies                                      | TTO  | David L. Neyland   | 2011 | 692,216   |
| HR00111C0109  | Lockheed Martin Corp., Missiles & Fire Control               | Defense Advanced Research Projects Agency | Video And Image Retrieval and Analysis Tool         | I2O  | Benjamin Cutler    | 2011 | 5,774,674 |
| HR00111C0111  | WiTricity Corporation  | Defense Advanced Research Projects Agency | Tactical Advanced Power (TAP)                       | DSO  | Brian Holloway     | 2011 | 786,876   |
| HR00111C0114  | Johns Hopkins Univ - Applied Physics Laboratory              | Defense Advanced Research Projects Agency | Thermal Spectral Fingerprinting (ThermaPrint)       | I2O  | Fred Schnarre      | 2011 | 719,126   |
| HR00111C0115  | Physical Sciences, Incorporated                              | Defense Advanced Research Projects Agency | Thermal Spectral Fingerprinting (ThermaPrint)       | I2O  | Fred Schnarre      | 2011 | 438,641   |
| HR00111C0116  | Science Engineering Technology Associates.                   | Defense Advanced Research Projects Agency | Thermal Spectral Fingerprinting (ThermaPrint)       | I2O  | Fred Schnarre      | 2011 | 386,712   |
| HR00111C0117  | Spectral Sciences, Inc.                                      | Defense Advanced Research Projects Agency | Thermal Spectral Fingerprinting (ThermaPrint)       | I2O  | Fred Schnarre      | 2011 | 499,821   |
| HR00111C0119  | TeraDiode, Inc.  | Defense Advanced Research Projects Agency | Military Imaging and Surveillance Technology        | STO  | Jinendra Ranka     | 2011 | 367,786   |
| HR00111C0120  | Space Systems/Loral  | Defense Advanced Research Projects Agency | SPC-01 Studies                                      | TTO  | David L. Neyland   | 2011 | 74,993    |
| HR00111C0121  | BAE Systems Advanced Infor Tech Inc                          | Defense Advanced Research Projects Agency | Thermal Spectral Fingerprinting (ThermaPrint)       | I2O  | Fred Schnarre      | 2011 | 490,907   |
| HR00111C0122  | DRS Infrared Technologies                                    | Defense Advanced Research Projects Agency | Low Cost Thermal Imager (LCTI-M)                    | MTO  | Nibir Dhar         | 2011 | 1,000,000 |
| HR00111C0123  | Applied Physical Sciences Corp.                              | Defense Advanced Research Projects Agency | Distributed Agile Submarine Hunting (DASH)          | STO  | Andrew Coon        | 2011 | 14,507    |
| HR00111C0125  | Raytheon Company   | Defense Advanced Research Projects Agency | Low Cost Thermal Imager (LCTI-M)                    | MTO  | Nibir Dhar         | 2011 | 1,000,000 |
| HR00111C0126  | BAE Systems Information & Electronic Systems Integration Inc | Defense Advanced Research Projects Agency | Low Cost Thermal Imager (LCTI-M)                    | MTO  | Nibir Dhar         | 2011 | 1,000,000 |
| HR00111C0127  | GE Global Research   | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 650,804   |
| HR00111C0133  | Teledyne Scientific and Imaging, LLC                         | Defense Advanced Research Projects Agency | Multifunction RF                                    | STO  | H. Bruce Wallace   | 2011 | 500,000   |
| HR00111C0136  | International Business Machine Research Center               | Defense Advanced Research Projects Agency | Multifunction RF                                    | STO  | H. Bruce Wallace   | 2011 | 1,050,000 |
| HR00111C0137  | University of Pennsylvania                                   | Defense Advanced Research Projects Agency | TEMP  | TTO  | Robert McHenry     | 2011 | 587,716   |
| HR00111C0138  | Honeywell Inc  | Defense Advanced Research Projects Agency | Multifunction RF                                    | STO  | H. Bruce Wallace   | 2011 | 767,000   |
| HR00111C0139  | Northrop Grumman Corporation                                 | Defense Advanced Research Projects Agency | Multifunction RF                                    | STO  | H. Bruce Wallace   | 2011 | 133,000   |
| HR00111C0142  | Soar Technology, Inc.  | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 222,788   |
| HR00111C0145  | University of Pennsylvania                                   | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 658,778   |
| HR00111C0148  | Lockheed Martin Simulation, Training, & Support (STS)        | Defense Advanced Research Projects Agency | National Cyber Range                                | STO  | Jinendra Ranka     | 2011 | 9,754,146 |
| HR00111C0150  | Language Weaver  | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 125,000   |
| HR00111C0152  | ADAPX Inc  | Defense Advanced Research Projects Agency | Deep Green  | I2O  | Dennis McBride     | 2011 | 1,650,000 |
| HR00111D0001  | Basic Overnight Quarters, LLC                                | Defense Advanced Research Projects Agency | MTO studies (ES-01)                                 | MTO  | Thomas Lee         | 2011 | 9,159     |
| HR00111F0001  | Artel, Inc.  | Defense Advanced Research Projects Agency | BUSINESS SUPPORT TEAM                               | COMP | Karen Sawyers      | 2011 | 2,568,457 |
| HR00111F0002  | BIT Systems, Inc   | Defense Advanced Research Projects Agency | Cyber Fast Track (CFT) program                      | I2O  | Peiter Zatko       | 2011 | 6,287,000 |
| HR00111P0005  | Borger Mgmt. Inc / Cafritz Co.                               | Defense Advanced Research Projects Agency | Facility Services                                   | SSO  | Mark Swanstrom     | 2011 | 160,000   |
| HR00111P0015  | Asian Technology Information Program                         | Defense Advanced Research Projects Agency | iFAB  | TTO  | Paul Eremenko      | 2011 | 48,677    |
| HR00111P0016  | Carnegie Mellon University                                   | Defense Advanced Research Projects Agency | META  | TTO  | Paul Eremenko      | 2011 | 94,999    |
| HR00111P0017  | Tunnel Consulting  | Defense Advanced Research Projects Agency | H1N1 Acceleration (Blue Angel)                      | DSO  | Alan Magill        | 2011 | 67,707    |
| HR0011220001  | University of North Carolina Chapel Hill                     | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 500,000   |
| HR0011220002  | University of California, San Diego                          | Defense Advanced Research Projects Agency | Diverse & Accessible Heterogeneous Integration      | MTO  | Sanjay Raman       | 2011 | 1,500,000 |
| HR0011220003  | University of California, Berkeley                           | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 400,000   |
| HR0011220005  | University of California, Berkeley                           | Defense Advanced Research Projects Agency | Rapid SW Dev using Binary Components (RAPID)        | I2O  | Dan Roelker        | 2011 | 340,000   |
| HR0011220006  | Purdue University  | Defense Advanced Research Projects Agency | Rapid SW Dev using Binary Components (RAPID)        | I2O  | Dan Roelker        | 2011 | 330,000   |
| HR0011220007  | Massachusetts Institute of Technology                        | Defense Advanced Research Projects Agency | Diverse & Accessible Heterogeneous Integration      | MTO  | Sanjay Raman       | 2011 | 1,000,000 |
| HR0011220009  | Carnegie Mellon University                                   | Defense Advanced Research Projects Agency | Rapid SW Dev using Binary Components (RAPID)        | I2O  | Dan Roelker        | 2011 | 330,000   |
| HR0011220010  | Diagnostics For All  | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 113,247   |
| HR0011290001  | Group 4 Development, LLC                                     | Defense Advanced Research Projects Agency | SBIR Phase II                                       | SBIR | Susan Nichols      | 2011 | 575,000   |
| HR0011290003  | Manufacturing Laboratories, Inc.                             | Defense Advanced Research Projects Agency | SBIR Phase II                                       | SBIR | Susan Nichols      | 2011 | 372,786   |
| HR00112C0004  | Biomatica Inc.   | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 300,000   |
| HR00112C0005  | Integen X  | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 300,000   |
| HR00112C0006  | AURRION, LLC   | Defense Advanced Research Projects Agency | Diverse & Accessible Heterogeneous Integration      | MTO  | Sanjay Raman       | 2011 | 2,250,960 |
| HR00112C0008  | Vanderbilt University  | Defense Advanced Research Projects Agency | META  | TTO  | Paul Eremenko      | 2011 | 30,000    |
| HR00112C0010  | Ginkgo Bioworks, Inc.  | Defense Advanced Research Projects Agency | Living Foundries                                    | MTO  | Alicia Jackson     | 2011 | 500,000   |
| HR00112C0012  | Irvine Sensors Corp  | Defense Advanced Research Projects Agency | TT-07 Studies                                       | TTO  | David L. Neyland   | 2011 | 474,170   |
| HR00112C0014  | Raytheon BBN Technologies Corp.                              | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 1,836,451 |
| HR00112C0015  | International Business Machines, Inc                         | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 1,449,835 |
| HR00112C0016  | SRI International  | Defense Advanced Research Projects Agency | Broad Operational Language Translation (BOLT)       | I2O  | Bonnie Dorr        | 2011 | 1,564,825 |
| HR00112C0018  | Syracuse Research Corporation                                | Defense Advanced Research Projects Agency | Distributed Agile Submarine Hunting (DASH)          | STO  | Andrew Coon        | 2011 | 25,000    |
| HR00112C0019  | BAE Systems Information & Electronic Systems Integration Inc | Defense Advanced Research Projects Agency | Multifunction RF                                    | STO  | H. Bruce Wallace   | 2011 | 50,000    |
| HR00112C0021  | Raytheon Missile Systems Company                             | Defense Advanced Research Projects Agency | TT-04 Studies                                       | TTO  | David L. Neyland   | 2011 | 137,306   |
| HR00112C0022  | Nucleus Scientific, Inc                                      | Defense Advanced Research Projects Agency | TT-04 Studies                                       | TTO  | David L. Neyland   | 2011 | 250,000   |
| HR00112C0024  | System High Corporation                                      | Defense Advanced Research Projects Agency | SECURITY SUPPORT                                    | SSO  | Brian Eshenbrenner | 2011 | 2,863,784 |
| HR00112C0024  | System High Corporation                                      | Defense Advanced Research Projects Agency | SID Security Support                                | SSO  | Brian Eshenbrenner | 2011 | 5,760,581 |
| HR00112C0024  | System High Corporation                                      | Defense Advanced Research Projects Agency | SID Security Support                                | SSO  | Brian Eshenbrenner | 2011 | 1,375,635 |
| HR00112C0027  | Raytheon Missile Systems Company                             | Defense Advanced Research Projects Agency | AIR-01 Studies                                      | TTO  | David L. Neyland   | 2011 | 244,636   |
| HR00112P0005  | Phillips Research Eindhoven                                  | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 24,798    |
| HR00112P0006  | Center for a New American Security                           | Defense Advanced Research Projects Agency | META  | TTO  | Paul Eremenko      | 2011 | 71,061    |
| HR00112P0008  | Novartis Vaccines & Diagnostic Inc.                          | Defense Advanced Research Projects Agency | ADEPT   | DSO  | Daniel Wattendorf  | 2011 | 4,304     |
| M678541C7023  | I.D.E.A.L. Technology Corporation                            | Commander, Marine Corps Systems Command   | Deep Green  | I2O  | Dennis McBride     | 2011 | 95,518    |
| MDA90403C0255 | International Business Machines, Inc                         | National Security Agency                  | IRIS (MTO)  | MTO  | Carl McCants       | 2011 | 757,694   |
| MDA90403C0255 | International Business Machines, Inc                         | National Security Agency                  | LEAP(Leading Edge Access Program)                   | MTO  | Carl McCants       | 2011 | 3,392,000 |

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| MDA9720330004  | International Business Machines, Inc            | Defense Advanced Research Projects Agency           | CHIP TO CHIP OPTICAL INTERCONNECTS (C2OI)                     | MTO  | Jagdeep Shah          | 2011 | 1,322,076 |
| N0001404D0564  | Strategic Analysis, Inc.                        | Office of Naval Research-MIPR                       | DIRO Support  | COMP | Jeanette Miles        | 2011 | 50,000    |
| N0001404D0576  | Marine Acoustics, Inc.                          | Office of Naval Research-MIPR                       | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 386,867   |
| N000140510419  | University of California, Santa Barbara         | Office of Naval Research-MIPR                       | CERA (Carbon Electronics for RF Applications)                 | MTO  | John Albrecht         | 2011 | 139,014   |
| N0001407C0629  | Raytheon Company                                | Office of Naval Research-MIPR                       | Diverse & Accessible Heterogeneous Integration                | MTO  | Sanjay Ramam          | 2011 | 460,636   |
| N000140810396  | Duke University                                 | Office of Naval Research-MIPR                       | CERA (Carbon Electronics for RF Applications)                 | MTO  | John Albrecht         | 2011 | 100,000   |
| N000140810728  | Neurosciences Research Foundation, Inc.         | Office of Naval Research-MIPR                       | Biomimetic Computing  | DSO  | Todd Hylton           | 2011 | 750,000   |
| N0001408C0395  | Marsh Creek, LLC                                | Office of Naval Research-MIPR                       | Basic Research on Ionospheric Characteristics and Effects     | DSO  | Matthew Goodman       | 2011 | 646,700   |
| N0001409C0164  | Science Application International Corporation   | Office of Naval Research-MIPR                       | Distributed Agile Submarine Hunting (DASH)                    | STO  | Andrew Coon           | 2011 | 1,096,852 |
| N0001409C0234  | HRL Laboratories, LLC                           | Office of Naval Research-MIPR                       | Analog-to-Information (A-to-I)                                | MTO  | Daniel Purdy          | 2011 | 2,629,782 |
| N0001410C0373  | Ingeneis, Inc.                                  | Office of Naval Research-MIPR                       | Administrative Services                                       | SSO  | Robert Copeland       | 2011 | 18,805    |
| N000141110089  | University of California, Los Angeles           | Office of Naval Research-MIPR                       | Detection & Comp Analysis of Psych Signals (DCAPS)            | I2O  | Russ Shilling         | 2011 | 300,000   |
| N000141110276  | Stanford University                             | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 340,106   |
| N000141110309  | University of California, Los Angeles           | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 150,000   |
| N000141110382  | University of Texas at Austin                   | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 148,915   |
| N000141110392  | University of California, Los Angeles           | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 438,770   |
| N000141110864  | Boston College                                  | Office of Naval Research-MIPR                       | studies   | MTO  | Thomas Lee            | 2011 | 249,998   |
| N000141110931  | University of Colorado at Boulder               | Office of Naval Research-MIPR                       | Microscale Power Conversion                                   | MTO  | John Albrecht         | 2011 | 1,445,909 |
| N000141110932  | University of Utah                              | Office of Naval Research-MIPR                       | Microscale Plasma Devices                                     | MTO  | Daniel Purdy          | 2011 | 232,632   |
| N000141110948  | University of Illinois                          | Office of Naval Research-MIPR                       | Analog-to-Information (A-to-I)                                | MTO  | Daniel Purdy          | 2011 | 51,600    |
| N0001411C0136  | Navatek, LTD                                    | Office of Naval Research-MIPR                       | TEMP  | TTO  | Robert McHenry        | 2011 | 764,251   |
| N0001411C0333  | Galois Connections, Inc.                        | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 907,739   |
| N0001411C0390  | International Business Machine Research Center  | Office of Naval Research-MIPR                       | SAFER   | I2O  | Richard Dean          | 2011 | 109,627   |
| N0001411C0427  | Stevens Institute                               | Office of Naval Research-MIPR                       | Underwater Express  | STO  | John C. Kamp          | 2011 | 16,308    |
| N0001411C0593  | Total Immersion Software, Inc.                  | Office of Naval Research-MIPR                       | ENGAGE  | I2O  | Russ Shilling         | 2011 | 1,546,687 |
| N000141210037  | University of California, Los Angeles           | Office of Naval Research-MIPR                       | Microscale Power Conversion                                   | MTO  | John Albrecht         | 2011 | 500,000   |
| N0001412C0071  | Carnegie Mellon University                      | Office of Naval Research-MIPR                       | ENGAGE  | I2O  | Russ Shilling         | 2011 | 243,627   |
| N0001412C0090  | University of California, Los Angeles           | Office of Naval Research-MIPR                       | ENGAGE  | I2O  | Russ Shilling         | 2011 | 362,544   |
| N0002402D6602  | Applied Physics Lab/U of Washington Spon Pg     | Naval Sea Systems Command-MIPR                      | STO Management - MBT-02                                       | STO  | Patrick W. Bailey     | 2011 | 119,000   |
| N0002402D6602  | Applied Physics Lab/U of Washington Spon Pg     | Naval Sea Systems Command-MIPR                      | Underwater Express  | STO  | John C. Kamp          | 2011 | 103,500   |
| N0002402D6604  | Pennsylvania State Univ/Applied Research Lab    | Naval Sea Systems Command-MIPR                      | Hybrid Multi-Material Rotor (HMRR)                            | DSO  | Christopher L. Warren | 2011 | 360,000   |
| N0002402D6604  | Pennsylvania State Univ/Applied Research Lab    | Naval Sea Systems Command-MIPR                      | STO Management - CCC-02                                       | STO  | Patrick W. Bailey     | 2011 | 463,100   |
| N0002402D6604  | Pennsylvania State University                   | Naval Sea Systems Command-MIPR                      | Adaptable Navigation Systems                                  | STO  | Stefanie Tompkins     | 2011 | 80,000    |
| N0002402D6604  | Pennsylvania State University                   | Naval Sea Systems Command-MIPR                      | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 350,000   |
| N0002402D6604  | Pennsylvania State University                   | Naval Sea Systems Command-MIPR                      | TANGO BRAVO   | STO  | John C. Kamp          | 2011 | 137,295   |
| N0002402D6604  | Pennsylvania State University                   | Naval Sea Systems Command-MIPR                      | Underwater Express  | STO  | John C. Kamp          | 2011 | 858,581   |
| N0002403D6606  | Johns Hopkins Univ - Applied Physics Laboratory | Naval Sea Systems Command-MIPR                      | Distributed Agile Submarine Hunting (DASH)                    | STO  | Andrew Coon           | 2011 | 581,504   |
| N0002403D6606  | Johns Hopkins Univ - Applied Physics Laboratory | Naval Sea Systems Command-MIPR                      | Non-Traditional Active Sonar                                  | STO  | Andrew Coon           | 2011 | 525,979   |
| N0002410D6318  | Applied Physics Lab/U of Washington Spon Pg     | Naval Sea Systems Command-MIPR                      | ACTUV   | TTO  | Robert McHenry        | 2011 | 100,000   |
| N0002410D6318  | Applied Physics Lab/U of Washington Spon Pg     | Naval Sea Systems Command-MIPR                      | TT-03 Studies   | TTO  | David L. Neyland      | 2011 | 711,055   |
| N00017308C2077 | Science Application International Corporation   | U.S. Naval Research Laboratory                      | MASKLESS NANOWRITER   | MTO  | Joseph A. Mangano     | 2011 | 500,000   |
| N00017309C2038 | TLK, Inc  | U.S. Naval Research Laboratory                      | Education Dominance   | DSO  | William Casebeer      | 2011 | 49,820    |
| N0017311C6013  | Northrop Grumman Information Technology         | U.S. Naval Research Laboratory                      | STO Management - MBT-02                                       | STO  | Patrick W. Bailey     | 2011 | 247,143   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Computer Science Study Group (CSSG)                           | I2O  | James Donlon          | 2011 | 104,779   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Cyber Defense   | I2O  | Tim Fraser            | 2011 | 321,875   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Cyber Fast Track (CFT) program                                | I2O  | Peiter Zatko          | 2011 | 185,410   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Cyber Insider Threat  | I2O  | Peiter Zatko          | 2011 | 372,880   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | DEEP LEARNING   | I2O  | Anthony Falcone       | 2011 | 50,061    |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Deep Green  | I2O  | Dennis McBride        | 2011 | 196,000   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | FOPEN-GXP   | I2O  | Vincent Sabio         | 2011 | 145,563   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Global Autonomous Language Exploitation (GALE)                | I2O  | Bonnie Dorr           | 2011 | 30,000    |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | HPCS  | MTO  | Charlie Holland       | 2011 | 561,597   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | I2O Mgmt Initiatives COG-02                                   | I2O  | Wendy Smith           | 2011 | 500,000   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Insight   | I2O  | Benjamin Cutler       | 2011 | 172,972   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Machine Reading   | I2O  | Bonnie Dorr           | 2011 | 465,341   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Military Networking Protocol                                  | I2O  | Peiter Zatko          | 2011 | 410,460   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Mind's Eye  | I2O  | James Donlon          | 2011 | 150,250   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Nexus7  | I2O  | Randy Garrett         | 2011 | 410,000   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | RATS  | I2O  | Bonnie Dorr           | 2011 | 339,188   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Rapid SW Dev using Binary Components                          | I2O  | Dan Roelker           | 2011 | 311,000   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Resilient Clouds  | I2O  | Howard Shrobe         | 2011 | 186,300   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | SPI-3D: Standoff Precision ID in 3D                           | I2O  | Evan Fortunato        | 2011 | 200,201   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Scalable Network Monitoring                                   | I2O  | Tim Fraser            | 2011 | 251,400   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Strategic Social Interaction Modules (SSIM)                   | I2O  | Brian Lande           | 2011 | 278,837   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Thermal Spectral Fingerprinting (ThermaPrint)                 | I2O  | Fred Schnarre         | 2011 | 126,224   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | ULTRA-VIS   | I2O  | Yiftach Eisenberg     | 2011 | 255,000   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Urban Reasoning & Geospatial Exploitation Technology (URGENT) | AEO  | Fred Schnarre         | 2011 | 171,584   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Video And Image Retrieval and Analysis Tool                   | I2O  | Benjamin Cutler       | 2011 | 445,200   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Visual Media Reasoning (VMR)                                  | I2O  | Mike Geertens         | 2011 | 191,862   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Wide Area Network Detection (WAND)                            | I2O  | Vincent Sabio         | 2011 | 279,835   |
| N0017804D4024  | Booz, Allen & Hamilton, Inc.                    | Naval Surface Warfare Center - Indian Head Division | Wide Area Surveillance - OCO                                  | I2O  | Brian Leininger       | 2011 | 400,000   |
| N0017804D4026  | CACI Technologies, Inc.                         | Naval Surface Warfare Center - Indian Head Division | Anomaly Detection at Multiple Scales (ADAMS)                  | I2O  | Rand Waltzman         | 2011 | 61,680    |
| N0017804D4026  | CACI Technologies, Inc.                         | Naval Surface Warfare Center - Indian Head Division | BUSINESS SUPPORT TEAM   | COMP | Karen Sawyers         | 2011 | 28,757    |
| N0017804D4026  | CACI Technologies, Inc.                         | Naval Surface Warfare Center - Indian Head Division | Broad Operational Language Translation (BOLT)                 | I2O  | Bonnie Dorr           | 2011 | 375,000   |
| N0017804D4026  | CACI Technologies, Inc.                         | Naval Surface Warfare Center - Indian Head Division | CRASH Clean-slate Resilient, Adaptive, Secure Hosts           | I2O  | Howard Shrobe         | 2011 | 26,335    |
| N0017804D4026  | CACI Technologies, Inc.                         | Naval Surface Warfare Center - Indian Head Division | Computer Science Study Group (CSSG)                           | I2O  | James Donlon          | 2011 | 159,355   |

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| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Cyber Fast Track (CFT) program                                | I2O  | Peiter Zatko      | 2011 | 122,590   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Cyber Insider Threat  | I2O  | Peiter Zatko      | 2011 | 47,500    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | DEEP LEARNING   | I2O  | Anthony Falcone   | 2011 | 119,289   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | DIRO SBIR ADMIN   | SBIR | Susan Nichols     | 2011 | 47,154    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Deep Green  | I2O  | Dennis McBride    | 2011 | 100,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Detection & Comp Analysis of Psych Signals (DCAPS)            | I2O  | Russ Shilling     | 2011 | 100,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | ENGAGE  | I2O  | Russ Shilling     | 2011 | 100,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | FOPEN-GXP   | I2O  | Vincent Sabio     | 2011 | 62,750    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | I2O Mgmt Initiatives COG-02                                   | I2O  | Wendy Smith       | 2011 | 500,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | I2O Mgmt Initiatives NET-01                                   | I2O  | Wendy Smith       | 2011 | 2,000,000 |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | ITMANET   | I2O  | Aaron Lazarus     | 2011 | 88,610    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Insight   | I2O  | Benjamin Cutler   | 2011 | 191,667   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Integrated Crisis Early Warning System (ICEWS)                | I2O  | Dennis McBride    | 2011 | 11,090    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Labrador 6.3  | I2O  | Brian Leininger   | 2011 | 396,364   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | MADCAT  | I2O  | Bonnie Dorr       | 2011 | 182,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Machine Reading   | I2O  | Bonnie Dorr       | 2011 | 340,514   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Military Networking Protocol                                  | I2O  | Peiter Zatko      | 2011 | 47,500    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Mind's Eye  | I2O  | James Donlon      | 2011 | 220,780   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Rapid SW Dev using Binary Components                          | I2O  | Dan Roelker       | 2011 | 65,000    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Resilient C2  | I2O  | Dennis McBride    | 2011 | 52,100    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Resilient Clouds  | I2O  | Howard Shrobe     | 2011 | 112,219   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | SAFER   | I2O  | Richard Dean      | 2011 | 190,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Scalable Network Monitoring                                   | I2O  | Tim Fraser        | 2011 | 175,000   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Strategic Social Interaction Modules (SSIM)                   | I2O  | Brian Lande       | 2011 | 158,149   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | TAILWIND  | I2O  | Fred Schnarre     | 2011 | 117,563   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Thermal Spectral Fingerprinting (ThermaPrint)                 | I2O  | Fred Schnarre     | 2011 | 43,253    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Transformative Apps   | I2O  | Mari Maeda        | 2011 | 60,000    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Urban Reasoning & Geospatial Exploitation Technology (URGENT) | AEO  | Fred Schnarre     | 2011 | 136,471   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Video And Image Retrieval and Analysis Tool                   | I2O  | Benjamin Cutler   | 2011 | 173,600   |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Visual Media Reasoning (VMR)                                  | I2O  | Mike Geertsen     | 2011 | 94,959    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Wide Area Network Detection (WAND)                            | I2O  | Vincent Sabio     | 2011 | 31,375    |
| N0017804D4026 | CACI Technologies, Inc.                               | Naval Surface Warfare Center - Indian Head Division | Wide Area Surveillance - OCO                                  | I2O  | Brian Leininger   | 2011 | 200,000   |
| N0017804D4080 | ManTech Systems Engineering Corp                      | Naval Surface Warfare Center - Indian Head Division | DIRO Support  | COMP | Jeanette Milos    | 2011 | 2,851,541 |
| N0017804D4080 | ManTech Systems Engineering Corp                      | Naval Surface Warfare Center - Indian Head Division | DIRO SUPPORT  | COMP | Jeanette Milos    | 2011 | 1,876,112 |
| N0017804D4080 | ManTech Systems Engineering Corp                      | Naval Surface Warfare Center - Indian Head Division | DIRO Support  | COMP | Jeanette Milos    | 2011 | 1,952,170 |
| N0017804D4119 | Science Application International Corporation         | Naval Surface Warfare Center - Crane Division       | EXCALIBUR   | MTO  | Joseph A. Mangano | 2011 | 98,000    |
| N0017806D4837 | Pacific Science & Engineering Group                   | Space Naval Warfare Systems Command                 | Resilient C2  | I2O  | Dennis McBride    | 2011 | 375,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | ARGUS-IR  | I2O  | Brian Leininger   | 2011 | 216,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Anomaly Detection at Multiple Scales (ADAMS)                  | I2O  | Rand Waltzman     | 2011 | 39,618    |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | CRASH Clean-slate Resilient, Adaptive, Secure Hosts           | I2O  | Howard Shrobe     | 2011 | 205,500   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | DEEP LEARNING   | I2O  | Anthony Falcone   | 2011 | 57,600    |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | DIRO SUPPORT  | COMP | Jeanette Milos    | 2011 | 1,378,634 |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | FOPEN-GXP   | I2O  | Vincent Sabio     | 2011 | 87,782    |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Global Autonomous Language Exploitation (GALE)                | I2O  | Bonnie Dorr       | 2011 | 353,998   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | I2O Mgmt Initiatives COG-02                                   | I2O  | Wendy Smith       | 2011 | 500,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | I2O Mgmt Initiatives IT-03                                    | I2O  | Wendy Smith       | 2011 | 518,716   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Insight   | I2O  | Benjamin Cutler   | 2011 | 439,974   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Machine Reading   | I2O  | Bonnie Dorr       | 2011 | 150,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Mind's Eye  | I2O  | James Donlon      | 2011 | 146,945   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | PIRET   | I2O  | Fred Schnarre     | 2011 | 55,175    |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | SAFER   | I2O  | Richard Dean      | 2011 | 330,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | SPI-3D: Standoff Precision ID in 3D                           | I2O  | Evan Fortunato    | 2011 | 40,000    |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | TAILWIND  | I2O  | Fred Schnarre     | 2011 | 215,000   |
| N0017808D5571 | Schafer Corporation                                   | Naval Surface Warfare Center - Indian Head Division | Wide Area Network Detection (WAND)                            | I2O  | Vincent Sabio     | 2011 | 183,576   |
| N0017808D5605 | Strategic Analysis, Inc.                              | Naval Surface Warfare Center - Indian Head Division | DIRO Support  | COMP | Jeanette Milos    | 2011 | 1,813,228 |
| N0017808D5605 | Strategic Analysis, Inc.                              | Naval Surface Warfare Center - Indian Head Division | DIRO SUPPORT  | COMP | Jeanette Milos    | 2011 | 749,786   |
| N004210390002 | APIC Corporation                                      | Naval Air Warfare Center - Aircraft Division        | Network Enabled by WDM Highly Integrated Photonics            | STO  | Richard Ridgway   | 2011 | 3,500,000 |
| N0042108C0033 | Northrop Grumman Corporation                          | Naval Air Warfare Center - Aircraft Division        | AEO Management (MBT-01)                                       | AEO  | Jeanette Milos    | 2011 | 63,883    |
| N0042108C0033 | Northrop Grumman Corporation                          | Naval Air Warfare Center - Aircraft Division        | Counter Sniper (C-Sniper)                                     | STO  | Deepak Varshneya  | 2011 | 1,856,617 |
| N10AP20003    | Vanderbilt University                                 | Dept of Interior/National Business Center           | NeoVision 2   | DSO  | Gill Pratt        | 2011 | 117,811   |
| N10AP20013    | Brown U   | Dept of Interior/National Business Center           | NeoVision 2   | DSO  | Gill Pratt        | 2011 | 181,790   |
| N10AP20026    | University of Massachusetts                           | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 200,000   |
| N10AP20027    | University of Central Florida                         | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 200,000   |
| N10AP20028    | University of Maryland                                | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 195,559   |
| N10AP20029    | University of New Hampshire                           | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 156,414   |
| N10AP20030    | Georgia Technical Research Corp. (Sponsored Programs) | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 159,095   |
| N10AP20031    | USC Information Sciences Institute                    | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 188,432   |
| N10AP20032    | State University of New York at Buffalo               | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 182,433   |
| N10AP20033    | Duke University                                       | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 159,122   |
| N10AP20034    | University of Pennsylvania                            | Dept of Interior/National Business Center           | Computer Science Study Group (CSSG)                           | I2O  | James Donlon      | 2011 | 207,110   |
| N10AP20035    | Stanford University                                   | Dept of Interior/National Business Center           | NeoVision 2   | DSO  | Gill Pratt        | 2011 | 270,000   |
| N10AP20036    | Harvard Medical School                                | Dept of Interior/National Business Center           | NeoVision 2   | DSO  | Gill Pratt        | 2011 | 122,472   |
| N10PC20000    | SRI International                                     | Dept of Interior/National Business Center           | Transformative Apps   | I2O  | Mari Maeda        | 2011 | 115,326   |
| N10PC20037    | International Business Machine Research Center        | Dept of Interior/National Business Center           | Transformative Apps   | I2O  | Mari Maeda        | 2011 | 560,331   |
| N10PC20115    | Luminex Corporation                                   | Dept of Interior/National Business Center           | SBIR Increments/MODs  | SBIR | Susan Nichols     | 2011 | 367,470   |
| N10PC20116    | illumina (Formerly Affonix Corporation)               | Dept of Interior/National Business Center           | Antibody Technology Program (ATP)                             | DSO  | Mildred Donlon    | 2011 | 640,268   |

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|---------------|--|---|--|------|------------------|------|-----------|
| N10PC20124    | Energy Focus, Inc.   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 361,848   |
| N10PC20125    | Massachusetts Institute of Technology                        | Dept of Interior/National Business Center | N/MEMS S&T FUNDAMENTALS                                    | MTO  | Tayo Akinwande   | 2011 | 119,925   |
| N10PC20126    | BAE Systems National Security Solutions Inc.                 | Dept of Interior/National Business Center | TAILWIND   | I2O  | Fred Schnarre    | 2011 | 2,245,478 |
| N10PC20129    | AnaptyBio, Inc.  | Dept of Interior/National Business Center | Antibody Technology Program (ATP)                          | DSO  | Mildred Donlon   | 2011 | 488,454   |
| N10PC20139    | Photodigm, Inc.  | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 374,974   |
| N10PC20171    | 21st Century Technology                                      | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 49,994    |
| N10PC20175    | Nico Technologies Corp.                                      | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 49,998    |
| N10PC20187    | AURRION, LLC   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 49,905    |
| N10PC20217    | Fetch Technologies   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 49,928    |
| N10PC20224    | MSNW, INC.   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 49,999    |
| N10PC20230    | StableBody Technologies                                      | Dept of Interior/National Business Center | Antibody Technology Program (ATP)                          | DSO  | Mildred Donlon   | 2011 | 1,250,670 |
| N10PC20232    | Collaborative Work Systems (CWS), Inc                        | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 374,983   |
| N10PC20234    | Digital ArtForms, Inc  | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 374,995   |
| N10PC20240    | Defense Engineering Corporation                              | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 374,985   |
| N10PC20246    | Energy Focus, Inc.   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 368,959   |
| N10PC20248    | The Samraksh Company   | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 375,000   |
| N10PC20250    | Front Edge Technology, Inc.                                  | Dept of Interior/National Business Center | SBIR Increments/MODs                                       | SBIR | Susan Nichols    | 2011 | 243,458   |
| N10PD20005    | Advanced Resource Technologies Inc.                          | Dept of Interior/National Business Center | DIRO SBIR ADMIN  | SBIR | Susan Nichols    | 2011 | 627,000   |
| N11AP20003    | University of Central Florida                                | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 249,347   |
| N11AP20004    | University of Texas at Austin                                | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 200,000   |
| N11AP20005    | Carnegie Mellon University                                   | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 199,662   |
| N11AP20006    | University of Texas at Austin                                | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 99,282    |
| N11AP20007    | University of Kentucky                                       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 95,517    |
| N11AP20008    | Carnegie Mellon University                                   | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 98,966    |
| N11AP20009    | Cornell University   | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20010    | University of North Carolina Chapel Hill                     | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 99,009    |
| N11AP20011    | Northwestern University                                      | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 83,960    |
| N11AP20012    | Emory University Office of Grants and Contracts              | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 99,728    |
| N11AP20013    | Georgia Tech Research Corporation (Sponsored Programs)       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 98,174    |
| N11AP20014    | Purdue University  | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20015    | University of Delaware                                       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 199,766   |
| N11AP20016    | University of Illinois                                       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 200,000   |
| N11AP20017    | Stanford University  | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20018    | Carnegie Mellon University                                   | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 198,922   |
| N11AP20019    | University of Colorado at Boulder                            | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20020    | University of Washington Office of Sponsored Programs        | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 99,862    |
| N11AP20021    | University of Southern California Dept of Contracts & Grants | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20022    | University of Maryland                                       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N11AP20023    | Georgia Institute of Technology (Sponsored Programs)         | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 200,747   |
| N11AP20024    | Drexel University  | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 199,522   |
| N11AP20025    | George Mason University                                      | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 99,285    |
| N11AP20026    | University of Illinois at Urbana-Champaign                   | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer  | 2011 | 500,000   |
| N11AP20027    | University of Colorado at Boulder                            | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer  | 2011 | 309,639   |
| N11AP20028    | QD Vision Inc.   | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer  | 2011 | 900,000   |
| N11AP20029    | Baylor College of Medicine                                   | Dept of Interior/National Business Center | STORYNET   | DSO  | William Casebeer | 2011 | 399,912   |
| N11AP20030    | Virginia Polytechnic Institute                               | Dept of Interior/National Business Center | STORYNET   | DSO  | William Casebeer | 2011 | 490,650   |
| N11AP20031    | University of Delaware                                       | Dept of Interior/National Business Center | Control of Material Properties through Advanced Structures | DSO  | Jamil Abo-Shaer  | 2011 | 175,860   |
| N11AP20032    | Emory University Office of Grants and Contracts              | Dept of Interior/National Business Center | STORYNET   | DSO  | William Casebeer | 2011 | 291,124   |
| N11AP20033    | Claremont Graduate University                                | Dept of Interior/National Business Center | STORYNET   | DSO  | William Casebeer | 2011 | 297,730   |
| N11AP20034    | Social Logic Institute                                       | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 109,890   |
| N11AP20035    | Case Western Reserve University & University Hospitals       | Dept of Interior/National Business Center | NANO ELECTRO MECHANICAL COMPUTERS(NEMS)                    | MTO  | Tayo Akinwande   | 2011 | 375,000   |
| N11AP20036    | Active Signals Technologies, Inc.                            | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols    | 2011 | 99,252    |
| N11AP20037    | Meka Robotics, LLC   | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols    | 2011 | 100,000   |
| N11AP20038    | Vecna Technologies Inc.                                      | Dept of Interior/National Business Center | SBIR Phase I   | SBIR | Susan Nichols    | 2011 | 100,000   |
| N11AP20039    | Princeton University   | Dept of Interior/National Business Center | Computer Science Study Group (CSSG)                        | I2O  | James Donlon     | 2011 | 100,000   |
| N629091117021 | Rocket Lab, LTD  | Office of Naval Research-Global (ONRG)    | SPC-01 Studies   | TTO  | David L. Neyland | 2011 | 400,000   |
| N6523607D6868 | SAIC Technology Services Corporation                         | SPAWAR Systems Center, Charleston         | AIR-01 Studies   | TTO  | David L. Neyland | 2011 | 1,357,000 |
| N6523607D6868 | SAIC Technology Services Corporation                         | SPAWAR Systems Center, Charleston         | Shrike (formerly SP2S)                                     | TTO  | James McCormick  | 2011 | 400,000   |
| N6523607D6868 | SAIC Technology Services Corporation                         | SPAWAR Systems Center, Charleston         | TT-06 Studies  | TTO  | David L. Neyland | 2011 | 216,195   |
| N6523607D6868 | SAIC Technology Services Corporation                         | SPAWAR Systems Center, Charleston         | TT-07 Studies  | TTO  | David L. Neyland | 2011 | 499,990   |
| N6523607D6881 | Science Application International Corporation                | SPAWAR Systems Center, Charleston         | Strategic Social Interaction Modules (SSIM)                | I2O  | Brian Lande      | 2011 | 93,000    |
| N6523608D6805 | Scientific Research Corporation                              | SPAWAR Systems Center, Charleston         | OH BY THE WAY (OBTW)                                       | I2O  | Robert Kohout    | 2011 | 113,500   |
| N6523608D6805 | Scientific Research Corporation                              | SPAWAR Systems Center, Charleston         | Wide Area Network Detection (WAND)                         | I2O  | Vincent Sabio    | 2011 | 243,369   |
| N6523608D6813 | Total Immersion Software, Inc.                               | SPAWAR Systems Center, Charleston         | OH BY THE WAY (OBTW)                                       | I2O  | Robert Kohout    | 2011 | 1,012,259 |
| N652361111000 | California Institute of Technology                           | SPAWAR Systems Center, Charleston         | Tactical Advanced Power (TAP)                              | DSO  | Brian Holloway   | 2011 | 250,000   |
| N652361111001 | University of California, Los Angeles                        | SPAWAR Systems Center, Charleston         | Tactical Advanced Power (TAP)                              | DSO  | Brian Holloway   | 2011 | 100,000   |
| N6523611C3831 | Kratos Government Solutions, Inc.                            | SPAWAR Systems Center, Charleston         | Resilient C2   | I2O  | Dennis McBride   | 2011 | 2,849,001 |
| N6523611C3832 | Lockheed Martin Advanced Technologies Lab                    | SPAWAR Systems Center, Charleston         | Resilient C2   | I2O  | Dennis McBride   | 2011 | 2,565,000 |
| N6523611D3849 | Total Immersion Software, Inc.                               | SPAWAR Systems Center, Charleston         | Anomaly Detection at Multiple Scales (ADAMS)               | I2O  | Rand Waltzman    | 2011 | 191,682   |
| N6523611D3849 | Total Immersion Software, Inc.                               | SPAWAR Systems Center, Charleston         | I2O Mgmt Initiatives NET-01                                | I2O  | Wendy Smith      | 2011 | 1,009,512 |
| N660010812037 | Purdue University  | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 667,705   |
| N660010812038 | University of Illinois at Urbana-Champaign                   | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 934,963   |
| N660010812039 | Carnegie Mellon University                                   | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 612,585   |
| N660010812041 | University of California, Berkeley                           | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 1,286,634 |
| N660010812042 | Case Western Reserve Univ                                    | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 702,415   |
| N660010812043 | California Institute of Technology                           | SPAWAR System Center-Pacific              | TIP-BASED NANOFABRICATION                                  | MTO  | Tayo Akinwande   | 2011 | 607,400   |



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|---------------|--|------------------------------|---|-----|-------------------|------|------------|
| N660010812044 | Northwestern University                                      | SPAWAR System Center-Pacific | TIP-BASED NANOFABRICATION                                     | MTO | Tayo Akinwande    | 2011 | 1,181,925  |
| N660010812074 | Cornell University   | SPAWAR System Center-Pacific | TIP-BASED NANOFABRICATION                                     | MTO | Tayo Akinwande    | 2011 | 484,457    |
| N6600108C2006 | University of Colorado                                       | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 733,710    |
| N6600108C2007 | University of California, Los Angeles                        | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 702,399    |
| N6600108C2009 | Teledyne Scientific and Imaging, LLC                         | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 590,194    |
| N6600108C2010 | Northrop Grumman Systems Corporation                         | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 937,359    |
| N6600108C2023 | Analog Devices, Inc.   | SPAWAR System Center-Pacific | Micro-Technology for Positioning, Navigation and Timing       | MTO | Andrei Shkel      | 2011 | 660,719    |
| N6600108C2040 | Zyvx Corp.   | SPAWAR System Center-Pacific | TIP-BASED NANOFABRICATION                                     | MTO | Tayo Akinwande    | 2011 | 1,315,103  |
| N6600108C2045 | Litton Systems, Inc  | SPAWAR System Center-Pacific | Micro-Technology for Positioning, Navigation and Timing       | MTO | Andrei Shkel      | 2011 | 1,460,258  |
| N6600108C2048 | HRL Laboratories, LLC  | SPAWAR System Center-Pacific | CERA (Carbon Electronics for RF Applications)                 | MTO | John Albrecht     | 2011 | 766,003    |
| N6600108C2050 | BBN Technologies   | SPAWAR System Center-Pacific | Scalable Network Monitoring                                   | I2O | Tim Fraser        | 2011 | 345,895    |
| N6600108C2054 | The Charles Stark Draper Laboratory Inc                      | SPAWAR System Center-Pacific | Z-MAN   | DSO | Matthew Goodman   | 2011 | 491,532    |
| N660010912024 | Stanford University  | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology           | MTO | Jagdeep Shah      | 2011 | 1,250,000  |
| N660010912025 | University of California, San Diego                          | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology           | MTO | Jagdeep Shah      | 2011 | 315,951    |
| N660010912026 | University of California, Berkeley                           | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology           | MTO | Jagdeep Shah      | 2011 | 809,947    |
| N660010912027 | University of California, Berkeley                           | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology           | MTO | Jagdeep Shah      | 2011 | 425,000    |
| N660010912028 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology           | MTO | Jagdeep Shah      | 2011 | 1,046,938  |
| N660010912029 | University of California, Los Angeles                        | SPAWAR System Center-Pacific | HEALICS   | MTO | Sanjay Raman      | 2011 | 298,662    |
| N660010912030 | University of California, Los Angeles                        | SPAWAR System Center-Pacific | HEALICS   | MTO | Sanjay Raman      | 2011 | 1,537,173  |
| N6600109C2012 | Georgia Institute of Technology (Sponsored Programs)         | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 1,877,722  |
| N6600109C2013 | Raytheon Company - MA  | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 580,670    |
| N6600109C2015 | Teledyne Scientific and Imaging, LLC                         | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                               | MTO | Avram Bar-Cohen   | 2011 | 3,878,301  |
| N6600109C2023 | Northrop Grumman Systems Corporation                         | SPAWAR System Center-Pacific | HEALICS   | MTO | Sanjay Raman      | 2011 | 3,925,202  |
| N6600109C2057 | SYMMETRICOM  | SPAWAR System Center-Pacific | Micro-Technology for Positioning, Navigation and Timing       | MTO | Andrei Shkel      | 2011 | 1,645,142  |
| N6600109C2058 | OEWaves, Inc.  | SPAWAR System Center-Pacific | Micro-Technology for Positioning, Navigation and Timing       | MTO | Andrei Shkel      | 2011 | 456,560    |
| N6600109C2073 | BBN Technologies   | SPAWAR System Center-Pacific | Military Networking Protocol                                  | I2O | Peiter Zatko      | 2011 | 14,020,584 |
| N6600109C2074 | Science Application International Corporation                | SPAWAR System Center-Pacific | Military Networking Protocol                                  | I2O | Peiter Zatko      | 2011 | 2,178,663  |
| N6600109C2079 | Directed Energy Solutions                                    | SPAWAR System Center-Pacific | EXCALIBUR   | MTO | Joseph A. Mangano | 2011 | 150,000    |
| N6600109C2080 | Wake Forest University School of Medicine                    | SPAWAR System Center-Pacific | Restorative Encoding Memory Integration Neural Device(REMIND) | DSO | Geoffrey Ling     | 2011 | 1,807,007  |
| N6600109C2081 | University of Southern California Dept of Contracts & Grants | SPAWAR System Center-Pacific | Restorative Encoding Memory Integration Neural Device(REMIND) | DSO | Geoffrey Ling     | 2011 | 2,652,564  |
| N660011014003 | University of California, Irvine                             | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 694,874    |
| N660011014004 | Stanford University  | SPAWAR System Center-Pacific | MTO studies (ES-01)   | MTO | Thomas Lee        | 2011 | 250,000    |
| N660011014004 | Stanford University  | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 1,102,147  |
| N660011014005 | University of California, Berkeley                           | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 384,944    |
| N660011014006 | University of California, San Diego                          | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 402,334    |
| N660011014007 | University of Colorado                                       | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 666,994    |
| N660011014007 | University of Colorado at Boulder                            | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 142,034    |
| N660011014008 | Harvard University   | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 392,183    |
| N660011014009 | Carnegie Mellon University                                   | SPAWAR System Center-Pacific | N/MEMS S&T FUNDAMENTALS                                       | MTO | Tayo Akinwande    | 2011 | 300,560    |
| N660011014016 | University of California, Santa Cruz                         | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 148,659    |
| N660011014017 | Johns Hopkins University                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,271    |
| N660011014018 | University of Florida  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014019 | Pennsylvania State University                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,973    |
| N660011014020 | Pennsylvania State University                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 116,260    |
| N660011014021 | Stanford University  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 145,914    |
| N660011014022 | University of Chicago  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014023 | Princeton University   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014024 | University of Pittsburgh                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,679    |
| N660011014025 | Washington State University                                  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 146,912    |
| N660011014026 | Brigham Young University                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 105,394    |
| N660011014027 | University of Michigan                                       | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014028 | Cornell University   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014029 | University of California, Los Angeles                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014031 | University of South Carolina Research Foundation             | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 144,590    |
| N660011014032 | Arizona State University                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 147,705    |
| N660011014033 | University of Houston  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 114,852    |
| N660011014034 | Kent State University  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014035 | University of Colorado                                       | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,239    |
| N660011014036 | University of California, Irvine                             | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,986    |
| N660011014037 | State University of New York at Stonybrook                   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,911    |
| N660011014038 | Clemson University   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 148,560    |
| N660011014039 | University of California, Irvine                             | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014040 | Pennsylvania State University                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,844    |
| N660011014041 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014042 | University of Michigan                                       | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014043 | University of Texas at Austin                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,860    |
| N660011014044 | Texas Engineering Experiment Station                         | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 137,042    |
| N660011014046 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014047 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014048 | Duke University  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014049 | University of Texas at Austin                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 149,999    |
| N660011014050 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                     | DSO | William Casebeer  | 2011 | 150,000    |
| N660011014059 | University of Toronto  | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)             | DSO | Matthew Goodman   | 2011 | 1,130,250  |
| N660011014060 | University of Chicago  | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)             | DSO | Matthew Goodman   | 2011 | 1,390,454  |
| N660011014061 | Oxford University  | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)             | DSO | Matthew Goodman   | 2011 | 2,319,383  |
| N660011014062 | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)             | DSO | Matthew Goodman   | 2011 | 1,106,718  |

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| N660011014063 | Massachusetts Institute of Technology                  | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 345,369   |
| N660011014066 | Northwestern University                                | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 116,432   |
| N660011014067 | Northwestern University                                | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 215,445   |
| N660011014068 | University of California, Berkeley                     | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 189,216   |
| N660011014094 | Stanford University                                    | SPAWAR System Center-Pacific | MTO studies (ES-01)   | MTO | Thomas Lee       | 2011 | 300,000   |
| N660011024087 | University of Texas at Austin                          | SPAWAR System Center-Pacific | CRASH Clean-slate Resilient, Adaptive, Secure Hosts         | I2O | Howard Shrobe    | 2011 | 371,025   |
| N660011024088 | Stanford University                                    | SPAWAR System Center-Pacific | CRASH Clean-slate Resilient, Adaptive, Secure Hosts         | I2O | Howard Shrobe    | 2011 | 604,086   |
| N660011024089 | MIT Artificial Intelligence Lab                        | SPAWAR System Center-Pacific | CRASH Clean-slate Resilient, Adaptive, Secure Hosts         | I2O | Howard Shrobe    | 2011 | 1,022,945 |
| N660011024089 | MIT Artificial Intelligence Lab                        | SPAWAR System Center-Pacific | I2O Mgmt Initiatives CCS-02                                 | I2O | Wendy Smith      | 2011 | 250,000   |
| N6600110C2005 | BBN Technologies                                       | SPAWAR System Center-Pacific | Precision Electronic Warfare (PREW)                         | STO | Keith Gremban    | 2011 | 3,239,314 |
| N6600110C2006 | BAE Systems  | SPAWAR System Center-Pacific | Precision Electronic Warfare (PREW)                         | STO | Keith Gremban    | 2011 | 1,767,347 |
| N6600110C2008 | SUNY-Downstate Medical Center                          | SPAWAR System Center-Pacific | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY | DSO | Geoffrey Ling    | 2011 | 2,949,187 |
| N6600110C2009 | California Institute of Technology                     | SPAWAR System Center-Pacific | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY | DSO | Geoffrey Ling    | 2011 | 2,355,925 |
| N6600110C2010 | Stanford University                                    | SPAWAR System Center-Pacific | REORGANIZATION AND PLASTICITY TO ACCELERATE INJURY RECOVERY | DSO | Geoffrey Ling    | 2011 | 7,166,890 |
| N6600110C2015 | Case Western Reserve University & University Hospitals | SPAWAR System Center-Pacific | Rapid Altitude and Hypoxia Acclimatization (RAHA)           | DSO | Michael Callahan | 2011 | 3,997,140 |
| N6600110C2123 | Yale University  | SPAWAR System Center-Pacific | Prevent   | DSO | Geoffrey Ling    | 2011 | 2,469,730 |
| N6600110C2124 | University of Pittsburgh                               | SPAWAR System Center-Pacific | Prevent   | DSO | Geoffrey Ling    | 2011 | 300,643   |
| N6600110C2125 | Orthopaedic Research Associates, Inc.                  | SPAWAR System Center-Pacific | Prevent   | DSO | Geoffrey Ling    | 2011 | 750,186   |
| N6600110C2126 | Johns Hopkins University                               | SPAWAR System Center-Pacific | Prevent   | DSO | Geoffrey Ling    | 2011 | 213,095   |
| N6600110C2134 | University of Colorado, Health Sciences Center         | SPAWAR System Center-Pacific | Rapid Altitude and Hypoxia Acclimatization (RAHA)           | DSO | Michael Callahan | 2011 | 6,988,579 |
| N6600110C4002 | Marlow Industries Inc                                  | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                             | MTO | Avram Bar-Cohen  | 2011 | 2,699,979 |
| N6600110C4010 | Woods Hole Institute                                   | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)                  | STO | Andrew Coon      | 2011 | 1,224,189 |
| N6600110C4012 | QinetiQ North America                                  | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)                  | STO | Andrew Coon      | 2011 | 910,285   |
| N6600110C4045 | GMZ Energy, Inc  | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                             | MTO | Avram Bar-Cohen  | 2011 | 1,949,920 |
| N6600110C4051 | University of Arizona                                  | SPAWAR System Center-Pacific | DSO studies   | DSO | Tanya M. Tanner  | 2011 | 330,557   |
| N6600110C4056 | Johns Hopkins Applied Physics Lab                      | SPAWAR System Center-Pacific | Revolutionizing Prosthetics                                 | DSO | Geoffrey Ling    | 2011 | 9,240,000 |
| N660011114002 | Duke University  | SPAWAR System Center-Pacific | Knowledge Enhanced Compressive Measurement (KECoM)          | DSO | Mark Neifeld     | 2011 | 1,431,700 |
| N660011114008 | University of Texas at Arlington                       | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 1,037,317 |
| N660011114009 | University of Florida                                  | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 390,316   |
| N660011114010 | Huntington Medical Research Institutes                 | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 519,153   |
| N660011114011 | Cornell University                                     | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 417,719   |
| N660011114013 | Purdue University                                      | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 611,536   |
| N660011114014 | Georgia Tech Research Corporation(GTRC)                | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 2,040,057 |
| N660011114015 | Rensselaer Polytechnic Institute                       | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 2,362,334 |
| N660011114090 | Ohio State University                                  | SPAWAR System Center-Pacific | Knowledge Enhanced Compressive Measurement (KECoM)          | DSO | Mark Neifeld     | 2011 | 727,935   |
| N660011114099 | Duke University  | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 150,000   |
| N660011114100 | University College London                              | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 500,000   |
| N660011114102 | Intelligent Decision Partners, LLC                     | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean     | 2011 | 10,283    |
| N660011114105 | Stanford University                                    | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 2,182,960 |
| N660011114106 | Stanford University                                    | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 1,450,479 |
| N660011114107 | Purdue University                                      | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 2,492,613 |
| N660011114108 | California Institute of Technology                     | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 1,185,453 |
| N660011114110 | Princeton University                                   | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 4,194,273 |
| N660011114111 | Stanford University                                    | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 1,824,908 |
| N660011114114 | Yale University  | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                           | MTO | Jeffrey Rogers   | 2011 | 1,592,211 |
| N660011114119 | University of Houston                                  | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)           | DSO | Matthew Goodman  | 2011 | 269,161   |
| N660011114120 | University of Utah                                     | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY                 | MTO | Jack Judy        | 2011 | 544,995   |
| N660011114121 | University of Maryland                                 | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,929   |
| N660011114122 | Virginia Tech  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,984   |
| N660011114123 | University of Chicago                                  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114124 | University of Washington Office of Sponsored Programs  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114125 | University of California, Los Angeles                  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,988   |
| N660011114126 | Georgia Institute of Technology (Sponsored Programs)   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,938   |
| N660011114127 | Washington State University                            | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 107,008   |
| N660011114128 | Georgia Institute of Technology (Sponsored Programs)   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114129 | University of Washington Office of Sponsored Programs  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114130 | University of California Santa Barbara                 | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114131 | Stanford University                                    | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 148,542   |
| N660011114132 | Tulane University                                      | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 99,602    |
| N660011114133 | University of Iowa                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114134 | University of Colorado at Boulder                      | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,732   |
| N660011114135 | University of California, Davis                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114136 | Harvard Medical School                                 | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114137 | Northwestern University                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114138 | University of California, Los Angeles                  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,999   |
| N660011114139 | University of Wisconsin                                | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114140 | University of South Carolina                           | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114141 | Washington State University                            | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114142 | Pennsylvania State University                          | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114143 | University of Massachusetts                            | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,144   |
| N660011114144 | North Carolina State University                        | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114145 | S. Dakota School of Mines & Technology                 | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 133,827   |
| N660011114146 | Columbia University                                    | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114148 | Yale University  | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 150,000   |
| N660011114149 | University of Utah                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,989   |
| N660011114150 | University of Texas-EI Paso                            | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                                   | MTO | Tayo Akinwande   | 2011 | 149,999   |

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| N66001114151  | Texas Engineering Experiment Station                         | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 150,000   |
| N66001114152  | University of Minnesota                                      | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 150,000   |
| N66001114153  | Johns Hopkins University                                     | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 144,993   |
| N66001114154  | University of Illinois at Urbana-Champaign                   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 150,000   |
| N66001114155  | Georgia Institute of Technology (Sponsored Programs)         | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 148,173   |
| N66001114156  | University of Colorado at Boulder                            | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 148,192   |
| N66001114157  | University of Delaware                                       | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 149,631   |
| N66001114158  | University of Minnesota                                      | SPAWAR System Center-Pacific | ART (Adaptive RF Tech)                                  | MTO | William Chappell  | 2011 | 1,344,267 |
| N66001114160  | University of Michigan                                       | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 148,320   |
| N66001114161  | Northeastern U   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 99,386    |
| N66001114162  | Princeton University   | SPAWAR System Center-Pacific | Young Faculty Award (YFA)                               | MTO | Tayo Akinwande    | 2011 | 150,000   |
| N66001114163  | University of Tennessee, Knoxville                           | SPAWAR System Center-Pacific | EXCALIBUR   | MTO | Joseph A. Mangano | 2011 | 81,799    |
| N66001114175  | University of California, San Diego                          | SPAWAR System Center-Pacific | RF PHOTONICS  | MTO | Scott Rodgers     | 2011 | 950,001   |
| N66001114177  | Princeton University   | SPAWAR System Center-Pacific | Advanced Structural Fiber                               | DSO | Brian Holloway    | 2011 | 240,000   |
| N66001114179  | Northwestern University                                      | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 356,411   |
| N66001114180  | Harvard University   | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 1,045,153 |
| N66001114181  | University of California Santa Barbara                       | SPAWAR System Center-Pacific | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)       | MTO | Jagdeep Shah      | 2011 | 395,000   |
| N66001114182  | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 400,790   |
| N66001114183  | Temple University  | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 297,782   |
| N66001114184  | Yale University  | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 302,000   |
| N66001114189  | Northwestern University                                      | SPAWAR System Center-Pacific | studies   | MTO | Thomas Lee        | 2011 | 610,000   |
| N66001114191  | The Charles Stark Draper Laboratory Inc                      | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 530,363   |
| N66001114192  | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 735,000   |
| N66001114195  | University of Illinois at Urbana-Champaign                   | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 149,900   |
| N66001114196  | Vanderbilt University  | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 79,593    |
| N66001114197  | University of California, Los Angeles                        | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 522,174   |
| N66001114198  | University of Florida  | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 166,500   |
| N66001114199  | Stanford University  | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 436,455   |
| N66001114200  | Princeton University   | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 189,840   |
| N66001114201  | Cornell University   | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 268,108   |
| N66001114204  | Massachusetts General Hospital                               | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 195,057   |
| N66001114204  | Massachusetts General Hospital                               | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 559,586   |
| N66001114205  | New York University  | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 629,064   |
| N66001114207  | University of Southern California Dept of Contracts & Grants | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 814,634   |
| N66001114208  | University of Michigan                                       | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 287,806   |
| N66001124206  | University of Illinois at Urbana-Champaign                   | SPAWAR System Center-Pacific | Resilient Clouds  | I2O | Howard Shrobe     | 2011 | 300,000   |
| N660011C4001  | HRL Laboratories, LLC  | SPAWAR System Center-Pacific | Knowledge Enhanced Compressive Measurement (KECoM)      | DSO | Mark Neifeld      | 2011 | 1,063,350 |
| N660011C4003  | BAE Systems National Security Solutions Inc.                 | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 831,809   |
| N660011C4006  | Raytheon BBN Technologies Corp.                              | SPAWAR System Center-Pacific | Detection & Comp Analysis of Psych Signals (DCAPS)      | I2O | Russ Shilling     | 2011 | 4,057,711 |
| N660011C4006  | Raytheon Company - MA  | SPAWAR System Center-Pacific | Detection & Comp Analysis of Psych Signals (DCAPS)      | I2O | Russ Shilling     | 2011 | 186,589   |
| N660011C4007  | Center for International Rehabilitation                      | SPAWAR System Center-Pacific | Detection & Comp Analysis of Psych Signals (DCAPS)      | I2O | Russ Shilling     | 2011 | 1,345,892 |
| N660011C4017  | BBN Technologies   | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 1,219,143 |
| N660011C4018  | Yale University  | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 656,715   |
| N660011C4020  | University of Pennsylvania                                   | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 566,748   |
| N660011C4021  | University of Southern California Dept of Contracts & Grants | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 1,339,583 |
| N660011C4022  | SRI International  | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 1,230,571 |
| N660011C4023  | Johns Hopkins Univ - Applied Physics Laboratory              | SPAWAR System Center-Pacific | Knowledge Enhanced Compressive Measurement (KECoM)      | DSO | Mark Neifeld      | 2011 | 1,027,609 |
| N660011C4053  | United Technologies Research Center                          | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                         | MTO | Avram Bar-Cohen   | 2011 | 2,228,775 |
| N660011C4079  | Qinetiq North America  | SPAWAR System Center-Pacific | TEMP  | TTO | Robert McHenry    | 2011 | 2,047,751 |
| N660011C4080  | Security Innovation  | SPAWAR System Center-Pacific | SAFER   | I2O | Richard Dean      | 2011 | 372,221   |
| N660011C4092  | Lockheed Martin Corp., Missiles & Fire Control               | SPAWAR System Center-Pacific | Knowledge Enhanced Compressive Measurement (KECoM)      | DSO | Mark Neifeld      | 2011 | 1,130,354 |
| N660011C4094  | Northrop Grumman Shipbuilding                                | SPAWAR System Center-Pacific | TEMP  | TTO | Robert McHenry    | 2011 | 2,167,930 |
| N660011C4095  | Raytheon Company   | SPAWAR System Center-Pacific | TEMP  | TTO | Robert McHenry    | 2011 | 2,522,731 |
| N660011C4097  | Qinetiq North America  | SPAWAR System Center-Pacific | TEMP  | TTO | Robert McHenry    | 2011 | 5,699,700 |
| N660011C4101  | The Charles Stark Draper Laboratory Inc                      | SPAWAR System Center-Pacific | Z-MAN   | DSO | Matthew Goodman   | 2011 | 1,765,772 |
| N660011C4109  | International Business Machine Research Center               | SPAWAR System Center-Pacific | MESO(MesoDynamical Architectures)                       | MTO | Jeffrey Rogers    | 2011 | 2,250,718 |
| N660011C4112  | Northrop Grumman Corporation                                 | SPAWAR System Center-Pacific | THERMAL MANAGEMENT TECHNOLOGIES                         | MTO | Avram Bar-Cohen   | 2011 | 96,686    |
| N660011C4115  | Applied Physical Sciences Corp.                              | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)              | STO | Andrew Coon       | 2011 | 2,845,063 |
| N660011C4116  | Science Application International Corporation                | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)              | STO | Andrew Coon       | 2011 | 1,552,228 |
| N660011C4117  | SIGNAL SYSTEMS CORPORATION                                   | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)              | STO | Andrew Coon       | 2011 | 702,374   |
| N660011C4118  | Woods Hole Institute   | SPAWAR System Center-Pacific | Distributed Agile Submarine Hunting (DASH)              | STO | Andrew Coon       | 2011 | 749,068   |
| N660011C4147  | Massachusetts Institute of Technology                        | SPAWAR System Center-Pacific | Battlefield Medicine                                    | DSO | Geoffrey Ling     | 2011 | 2,720,308 |
| N660011C4159  | Science Application International Corporation                | SPAWAR System Center-Pacific | ART (Adaptive RF Tech)                                  | ART | William Chappell  | 2011 | 1,784,041 |
| N660011C4167  | Georgia Tech Research Corporation(GTRC)                      | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 427,591   |
| N660011C4168  | Plexon, Inc  | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 491,141   |
| N660011C4170  | University of Michigan                                       | SPAWAR System Center-Pacific | microPNT  | MTO | Andrei Shkel      | 2011 | 1,270,585 |
| N660011C4171  | University of Pittsburgh                                     | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 1,728,062 |
| N660011C4176  | Georgia Institute of Technology (Sponsored Programs)         | SPAWAR System Center-Pacific | Micro-Technology for Positioning, Navigation and Timing | MTO | Andrei Shkel      | 2011 | 500,000   |
| N660011C4187  | The Charles Stark Draper Laboratory, Inc.                    | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 736,595   |
| N660011C4188  | Aethlon Medical, Inc.  | SPAWAR System Center-Pacific | Dialysis Like Therapeutics                              | MTO | Timothy Broderick | 2011 | 938,583   |
| N660011C4190  | University of Michigan                                       | SPAWAR System Center-Pacific | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY             | MTO | Jack Judy         | 2011 | 1,347,687 |
| N660011C4194  | SRI International  | SPAWAR System Center-Pacific | AXIS(Advanced X-Ray Integrated Sources)                 | MTO | Tayo Akinwande    | 2011 | 308,700   |
| N660011C4203  | Harvard University   | SPAWAR System Center-Pacific | Chronicle of Lineage Indicative of Origins (CLIO)       | DSO | Michael Callahan  | 2011 | 1,352,917 |
| N660011214011 | Stanford University  | SPAWAR System Center-Pacific | QUEST - Quantum Entanglement Science and Technology     | MTO | Jagdeep Shah      | 2011 | 340,000   |
| N660011214012 | Virginia Polytechnic Institute                               | SPAWAR System Center-Pacific | Quantum Effects in Biological Environments (QuBE)       | DSO | Matthew Goodman   | 2011 | 176,291   |
| N660011214015 | University of Michigan                                       | SPAWAR System Center-Pacific | ART (Adaptive RF Tech)                                  | MTO | William Chappell  | 2011 | 75,213    |

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| N660011214026 | George Mason University                                      | SPAWAR System Center-Pacific                          | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY               | MTO | Jack Judy             | 2011 | 604,712   |
| N660011214029 | Purdue University  | SPAWAR System Center-Pacific                          | RE-NET(RELIABLE NEURAL-INTERFACE TECHNOLOGY               | MTO | Jack Judy             | 2011 | 875,103   |
| N660011214202 | Carnegie Mellon University                                   | SPAWAR System Center-Pacific                          | AXIS(Advanced X-Ray Integrated Sources)                   | MTO | Tayo Akinwande        | 2011 | 328,090   |
| N660011224014 | Johns Hopkins University                                     | SPAWAR System Center-Pacific                          | Resilient Clouds  | I2O | Howard Shrobe         | 2011 | 481,881   |
| N6600112C4003 | SAIC   | SPAWAR System Center-Pacific                          | Distributed Agile Submarine Hunting (DASH)                | STO | Andrew Coon           | 2011 | 25,000    |
| N6600112C4004 | SRI International  | SPAWAR System Center-Pacific                          | Distributed Agile Submarine Hunting (DASH)                | STO | Andrew Coon           | 2011 | 50,000    |
| N6600112C4010 | Northrop Grumman Information Technology                      | SPAWAR System Center-Pacific                          | Hemispherical Array Detector for Imaging(HARDI)           | MTO | Devanand K. Shenoy    | 2011 | 114,455   |
| N6600112C4185 | GE Global Research   | SPAWAR System Center-Pacific                          | THERMAL MANAGEMENT TECHNOLOGIES                           | MTO | Avram Bar-Cohen       | 2011 | 1,286,067 |
| N6660409C3652 | DRS Sensor Systems, Inc.                                     | Naval Undersea Warfare Center Division - Rhode Island | AWARE   | MTO | Nibir Dhar            | 2011 | 2,968,075 |
| N6660409C3653 | Raytheon Vision Systems                                      | Naval Undersea Warfare Center Division - Rhode Island | AWARE   | MTO | Nibir Dhar            | 2011 | 2,907,571 |
| N6660409C3706 | BAE Systems Information & Electronic Systems Integration Inc | Naval Undersea Warfare Center Division - Rhode Island | AWARE   | MTO | Nibir Dhar            | 2011 | 2,147,532 |
| N6893610C0127 | University of Central Florida                                | Naval Air Warfare Center - China Lake                 | NANO COMPOSITE OPTICAL CERAMICS (NCOC)                    | DSO | William Coblenz       | 2011 | 89,000    |
| NBCH1090001   | University of California, Berkeley                           | Dept of Interior/National Business Center             | NANO ELECTRO MECHANICAL COMPUTERS(NEMS)                   | MTO | Tayo Akinwande        | 2011 | 750,000   |
| NBCH1090002   | Stanford University  | Dept of Interior/National Business Center             | NANO ELECTRO MECHANICAL COMPUTERS(NEMS)                   | MTO | Tayo Akinwande        | 2011 | 1,500,000 |
| NBCH1090006   | University of California, Berkeley                           | Dept of Interior/National Business Center             | NANO ELECTRO MECHANICAL COMPUTERS(NEMS)                   | MTO | Tayo Akinwande        | 2011 | 1,800,000 |
| NBCHC070156   | Acuitus, Inc.  | Dept of Interior/National Business Center             | Education Dominance                                       | DSO | William Casebeer      | 2011 | 6,435,000 |
| NBCHC090032   | DRS Infrared Technologies                                    | Dept of Interior/National Business Center             | AWARE   | MTO | Nibir Dhar            | 2011 | 4,800,615 |
| NBCHC090054   | Advanced Brain Monitoring, Inc                               | Dept of Interior/National Business Center             | Cognitive Technology Threat Warning Systems (CT2WS)       | DSO | Gill Pratt            | 2011 | 750,000   |
| NBCHD060009   | System Planning Corporation                                  | Dept of Interior/National Business Center             | AEO Management (MBT-01)                                   | AEO | Jeanette Milos        | 2011 | 53,768    |
| NBCHD060009   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Legged Squad Support System (LS3)                         | TTO | Joseph Hitt           | 2011 | 615,577   |
| NBCHD060009   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Mission Adaptive Rotor                                    | TTO | Daniel Newman         | 2011 | 850,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | Autonomous HALE Refueling Demo (AHR)                      | TTO | James McCormick       | 2011 | 375,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | FANG  | TTO | Paul Eremenko         | 2011 | 850,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | LRASM   | TTO | Robert McHenry        | 2011 | 1,688,721 |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | META  | TTO | Paul Eremenko         | 2011 | 700,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | MOIRE   | TTO | Travis Blake          | 2011 | 470,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | Shrike (formerly SP2S)                                    | TTO | James McCormick       | 2011 | 49,000    |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | Space Surveillance Telescope (SST)                        | TTO | Travis Blake          | 2011 | 325,000   |
| NBCHD060010   | Schafer Corporation  | Dept of Interior/National Business Center             | TEMP  | TTO | Robert McHenry        | 2011 | 640,000   |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | ACTUV   | TTO | Robert McHenry        | 2011 | 1,000,000 |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | Aero-Adaptive/Aero-Optic Beam Control (ABC)               | STO | Richard Bagnell       | 2011 | 300,000   |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | DiscRotor   | TTO | Daniel Newman         | 2011 | 160,000   |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | MAHEM   | TTO | Stephen Waller        | 2011 | 60,000    |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | Space Surveillance Telescope (SST)                        | TTO | Travis Blake          | 2011 | 262,500   |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | System F6   | TTO | Paul Eremenko         | 2011 | 1,250,000 |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | Tech Dev SPC-01   | TTO | David L. Neyland      | 2011 | 200,000   |
| NBCHD060011   | Booz, Allen & Hamilton, Inc.                                 | Dept of Interior/National Business Center             | Vulcan  | TTO | Arthur Mabbett        | 2011 | 700,000   |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | EXACTO  | TTO | Joseph Hitt           | 2011 | 550,000   |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | InsPIRE   | TTO | David Barnhart        | 2011 | 200,000   |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | Transformer (TX)  | TTO | Stephen Waller        | 2011 | 600,000   |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | Triple Target Terminator (T3)                             | TTO | Stephen Waller        | 2011 | 450,000   |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | Vulture   | TTO | Barry Ives            | 2011 | 1,025,000 |
| NBCHD060013   | SRS Technologies   | Dept of Interior/National Business Center             | iFAB  | TTO | Paul Eremenko         | 2011 | 850,000   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Advanced Wireless Networks for the Soldier                | STO | Bruce Fette           | 2011 | 1,298,984 |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Communications in Extreme Environments                    | STO | Bruce Fette           | 2011 | 585,993   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Content-Based Mobile Edge Networking (CBMEN)              | STO | Keith Gremban         | 2011 | 160,000   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | FITT  | I2O | Tim Clark             | 2011 | 276,000   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Integrated Sensor is Structure (ISIS)                     | STO | Tim Clark             | 2011 | 2,381,341 |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | LACOSTE   | STO | Tim Clark             | 2011 | 253,229   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Manufacturable Gradient Index Optics                      | STO | Stefanie Tompkins     | 2011 | 646,667   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Mobile Networked MIMO (MNM)                               | STO | Bruce Fette           | 2011 | 294,023   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Precision Electronic Warfare (PREW)                       | STO | Keith Gremban         | 2011 | 837,356   |
| NBCHD070001   | System Planning Corporation                                  | Dept of Interior/National Business Center             | Renewable At-Sea Power                                    | STO | Aaron Lazarus         | 2011 | 200,972   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Advanced Sighting System (One Shot)                       | AEO | Deepak Varshneya      | 2011 | 59,559    |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | BioFuels - Alternative Feedstocks                         | STO | Robert Mantz          | 2011 | 750,000   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Blue Laser for Submarine Laser Communications (SLC)       | STO | John C. Kamp          | 2011 | 326,010   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Comprehensive Interior Reconnaissance (CIR) Program       | STO | Joseph Durek          | 2011 | 763,202   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Core Optical Network (CORONET)                            | STO | Matthew Goodman       | 2011 | 290,312   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Counter Sniper (C-Sniper)                                 | STO | Deepak Varshneya      | 2011 | 300,000   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Emissive Micro-Display (EMD)                              | STO | Alexander Pilipowskyj | 2011 | 535,852   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | HELLADS   | STO | Richard Bagnell       | 2011 | 973,000   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Lightweight Ceramic Armor                                 | STO | Stefanie Tompkins     | 2011 | 170,779   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Military Imaging and Surveillance Technology              | STO | Jinendra Ranka        | 2011 | 225,000   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Multipath Exploitation Radar                              | STO | Joseph Durek          | 2011 | 166,608   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Optical RF Communications Adjunct (ORCA)                  | STO | Richard Ridgway       | 2011 | 668,300   |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | POLKA   | STO | Jagdeep Shah          | 2011 | 64,480    |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Structural Logic  | STO | Aaron Lazarus         | 2011 | 94,638    |
| NBCHD070002   | SRS Technologies   | Dept of Interior/National Business Center             | Thermal Management System for Ship Decking                | STO | Aaron Lazarus         | 2011 | 48,223    |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | ADAPT   | STO | Mark Rich             | 2011 | 260,000   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Adaptable Navigation Systems                              | STO | Stefanie Tompkins     | 2011 | 892,991   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Blue Laser for Submarine Laser Communications (SLC)       | STO | John C. Kamp          | 2011 | 85,000    |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Chemical Reconnaissance                                   | STO | Brent Appleby         | 2011 | 445,531   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Computational Leverage Against Surveillance Systems       | STO | Mark Rich             | 2011 | 239,435   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Mobile Ad hoc Interoperability Network Gateway (MAINGATE) | STO | Keith Gremban         | 2011 | 151,322   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Optical RF Communications Adjunct (ORCA)                  | STO | Richard Ridgway       | 2011 | 241,102   |
| NBCHD070003   | Schafer Corporation  | Dept of Interior/National Business Center             | Precision Electronic Warfare (PREW)                       | STO | Keith Gremban         | 2011 | 200,000   |

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| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Advanced Sighting System (One Shot)                         | AEO  | Deepak Varshneya   | 2011 | 133,279    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Blue Laser for Submarine Laser Communications (SLC)         | STO  | John C. Kamp       | 2011 | 503,588    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Counter Sniper (C-Sniper)                                   | STO  | Deepak Varshneya   | 2011 | 220,000    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Distributed Agile Submarine Hunting (DASH)                  | STO  | Andrew Coon        | 2011 | 657,030    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Multifunction RF  | STO  | H. Bruce Wallace   | 2011 | 200,000    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Non-Traditional Active Sonar                                | STO  | Andrew Coon        | 2011 | 378,426    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | TANGO BRAVO   | STO  | John C. Kamp       | 2011 | 120,000    |
| NBCHD070004   | Solers, Inc.   | Dept of Interior/National Business Center               | Underwater Express  | STO  | John C. Kamp       | 2011 | 74,797     |
| W15P7T07CP409 | General Atomics                                      | Communications Electronics Research Dev Engrng Center   | Diverse & Accessible Heterogeneous Integration              | MTO  | Sanjay Raman       | 2011 | 388,055    |
| W15P7T08CP410 | CBRITE   | U.S. Army Night Vision Electronics Sensors Directorate  | Hemispherical Array Detector for Imaging(HARDI)             | MTO  | Devanand K. Shenoy | 2011 | 2,220,194  |
| W15P7T08DP416 | Fibertek   | U.S. Army Night Vision Electronics Sensors Directorate  | TAILWIND  | I2O  | Fred Schnarre      | 2011 | 143,000    |
| W15P7T08DP417 | E-OIR Technologies, Inc.                             | U.S. Army Night Vision Electronics Sensors Directorate  | AWARE   | MTO  | Nibir Dhar         | 2011 | 75,000     |
| W15P7T09CP011 | Science Engineering Technology Associates.           | Communications Electronics Research Dev Engrng Center   | Nexus7  | I2O  | Randy Garrett      | 2011 | 3,522,313  |
| W15P7T09DP012 | D&S Consultants, Inc.                                | Communications Electronics Research Dev Engrng Center   | FOPEN-GXP   | I2O  | Vincent Sabio      | 2011 | 143,883    |
| W15P7T10CA628 | Data Tactics Corporation                             | Communications Electronics Research Dev Engrng Center   | Nexus7  | I2O  | Randy Garrett      | 2011 | 16,177,463 |
| W15P7T10CB019 | Purdue University                                    | Communications Electronics Research Dev Engrng Center   | ART (Adaptive RF Tech)                                      | MTO  | William Chappell   | 2011 | 199,312    |
| W15P7T10CB020 | Stottler Henke Associates, Inc.                      | Communications Electronics Research Dev Engrng Center   | Computer Science Study Group (CSSG)                         | I2O  | James Donlon       | 2011 | 300,000    |
| W15P7T11CA801 | FiveFocal LLC  | Communications Electronics Research Dev Engrng Center   | Soldier-Centric Imaging via Computational Cameras (SCENICC) | DSO  | Mark Neifeld       | 2011 | 497,027    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | (STT-RAM)Spin Torque Transfer-Random Access Memory          | MTO  | Devanand K. Shenoy | 2011 | 120,000    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Advanced Wireless Networks for the Soldier                  | STO  | Bruce Fette        | 2011 | 52,200     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Biomimetic Computing  | DSO  | Todd Hylton        | 2011 | 41,565     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | FANG  | TTO  | Paul Eremenko      | 2011 | 101,393    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | ITMANET   | I2O  | Aaron Lazarus      | 2011 | 95,000     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Integrated Sensor is Structure (ISIS)                       | STO  | Tim Clark          | 2011 | 65,626     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | META  | TTO  | Paul Eremenko      | 2011 | 76,312     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Manufacturable Gradient Index Optics                        | STO  | Stefanie Tompkins  | 2011 | 93,889     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Military Imaging and Surveillance Technology                | STO  | Jinendra Ranka     | 2011 | 195,340    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Mind's Eye  | I2O  | James Donlon       | 2011 | 500,000    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Precision Electronic Warfare (PREW)                         | STO  | Keith Gremban      | 2011 | 150,000    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | STO Management - CCC-02                                     | STO  | Patrick W. Bailey  | 2011 | 192,000    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | TT-06 Studies   | TTO  | David L. Neyland   | 2011 | 170,000    |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | UHPC  | UHP  | Charlie Holland    | 2011 | 61,063     |
| W15P7T11CF600 | Mitre Corporation                                    | Army Communication Electronics Command                  | Video And Image Retrieval and Analysis Tool                 | I2O  | Benjamin Cutler    | 2011 | 43,721     |
| W15P7T11CT401 | Chenga Federal Systems, LLC                          | Communications Electronics Research Dev Engrng Center   | Nexus7  | I2O  | Randy Garrett      | 2011 | 250,000    |
| W15P7T11CT602 | Potomac Fusion, Inc.                                 | Communications Electronics Research Dev Engrng Center   | Nexus7  | I2O  | Randy Garrett      | 2011 | 4,400,000  |
| W15P7T1210002 | Rennselaer Polytechnic Institute                     | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                      | DSO  | Gill Pratt         | 2011 | 349,712    |
| W15QKN11C0161 | Georgia Tech Research Corporation(GTRC)              | Armament Research, Development and Engineering Center   | FANG  | TTO  | Paul Eremenko      | 2011 | 991,658    |
| W15QKN11C0170 | O'Reilly Media                                       | Armament Research, Development and Engineering Center   | FANG  | TTO  | Paul Eremenko      | 2011 | 478,819    |
| W31P4Q06C0462 | Tanner Research, Inc.                                | U.S. Army Aviation and Missile Command                  | STTR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 279,027    |
| W31P4Q06C0473 | Scitor Corporation                                   | U.S. Army Aviation and Missile Command                  | Insight   | I2O  | Benjamin Cutler    | 2011 | 930,560    |
| W31P4Q07C0087 | The Boeing Co. Missile Defense Systems               | PEO, Missiles and Space, CMDS Project Office            | AIR-01 Studies  | TTO  | David L. Neyland   | 2011 | 110,208    |
| W31P4Q07C0089 | Silvus Communicatons Systems, Inc.                   | U.S. Army Aviation and Missile Command                  | Advanced Wireless Networks for the Soldier                  | STO  | Bruce Fette        | 2011 | 82,776     |
| W31P4Q07C0089 | Silvus Communicatons Systems, Inc.                   | U.S. Army Aviation and Missile Command                  | Mobile Networked MIMO (MNM)                                 | STO  | Bruce Fette        | 2011 | 2,691,977  |
| W31P4Q07C0207 | Black River Systems Company                          | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 199,907    |
| W31P4Q0810008 | University of California, Irvine                     | U.S. Army Aviation and Missile Command                  | Micro-Technology for Positioning, Navigation and Timing     | MTO  | Andrei Shkel       | 2011 | 375,000    |
| W31P4Q08C0264 | HRL Laboratories, LLC                                | U.S. Army Aviation and Missile Command                  | Cognitive Technology Threat Warning Systems (CT2WS)         | DSO  | Gill Pratt         | 2011 | 5,953,859  |
| W31P4Q08C0364 | NanoSonic, Inc.                                      | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 200,000    |
| W31P4Q0910011 | University of Michigan                               | U.S. Army Aviation and Missile Command                  | CHIP SCALE VACUUM MICRO PUMPS                               | MTO  | Tayo Akinwande     | 2011 | 1,472,948  |
| W31P4Q0910012 | Georgia Institute of Technology (Sponsored Programs) | U.S. Army Aviation and Missile Command                  | Zeno-Based Opto-Electronics (ZOE)                           | DSO  | Matthew Goodman    | 2011 | 2,387,208  |
| W31P4Q0910013 | University of Maryland                               | U.S. Army Aviation and Missile Command                  | Zeno-Based Opto-Electronics (ZOE)                           | DSO  | Matthew Goodman    | 2011 | 1,262,566  |
| W31P4Q0910014 | Northwestern University                              | U.S. Army Aviation and Missile Command                  | Zeno-Based Opto-Electronics (ZOE)                           | DSO  | Matthew Goodman    | 2011 | 601,925    |
| W31P4Q09C0050 | Magnolia Optical Technologies, Inc.                  | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 350,000    |
| W31P4Q09C0050 | Magnolia Optical Technologies, Inc.                  | U.S. Army Aviation and Missile Command                  | SBIR Mission Funds  | SBIR | Susan Nichols      | 2011 | 250,000    |
| W31P4Q09C0085 | Excellatron  | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 372,908    |
| W31P4Q09C0098 | AlphaTRAC, Inc.                                      | U.S. Army Aviation and Missile Command                  | SBIR Mission Funds  | SBIR | Susan Nichols      | 2011 | 499,319    |
| W31P4Q09C0228 | 4Power LLC   | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 374,977    |
| W31P4Q09C0291 | Science Research Laboratory Inc.                     | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 374,869    |
| W31P4Q09C0313 | Geosemble Technologies                               | U.S. Army Aviation and Missile Command                  | STTR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 187,433    |
| W31P4Q09C0348 | Honeywell International Inc Defense & Space Div      | U.S. Army Aviation and Missile Command                  | Micro-Technology for Positioning, Navigation and Timing     | MTO  | Andrei Shkel       | 2011 | 790,486    |
| W31P4Q09C0419 | ZIVA CORPORATION                                     | U.S. Army Aviation and Missile Command                  | STTR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 187,434    |
| W31P4Q09C0476 | Attention Control Systems, Inc                       | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 449,999    |
| W31P4Q09C0513 | Teledyne Scientific and Imaging, LLC                 | U.S. Army Aviation and Missile Command                  | AWARE   | MTO  | Nibir Dhar         | 2011 | 4,915,335  |
| W31P4Q09C0539 | Northrop Grumman Systems Corporation                 | U.S. Army Aviation and Missile Command                  | AWARE   | MTO  | Nibir Dhar         | 2011 | 158,984    |
| W31P4Q09C0557 | GNOSSYS, Inc.  | U.S. Army Aviation and Missile Command                  | STTR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 336,320    |
| W31P4Q09C0566 | Johns Hopkins Univ - Applied Physics Laboratory      | U.S. Army Aviation and Missile Command                  | Zeno-Based Opto-Electronics (ZOE)                           | DSO  | Matthew Goodman    | 2011 | 805,150    |
| W31P4Q09C0607 | DRS Infrared Technologies                            | U.S. Army Aviation and Missile Command                  | AWARE   | MTO  | Nibir Dhar         | 2011 | 4,725,398  |
| W31P4Q09C0666 | Philips Research North America                       | U.S. Army Aviation and Missile Command                  | Quantum Orbital Resonance Spectroscopy (QORS)               | DSO  | Matthew Goodman    | 2011 | 407,302    |
| W31P4Q1010002 | University of California, Berkeley                   | U.S. Army Aviation and Missile Command                  | Micro-Technology for Positioning, Navigation and Timing     | MTO  | Andrei Shkel       | 2011 | 259,317    |
| W31P4Q1010004 | University of Colorado                               | U.S. Army Aviation and Missile Command                  | AWARE   | MTO  | Nibir Dhar         | 2011 | 400,000    |
| W31P4Q1010005 | Massachusetts Institute of Technology                | U.S. Army Aviation and Missile Command                  | CHIP SCALE VACUUM MICRO PUMPS                               | MTO  | Tayo Akinwande     | 2011 | 1,836,388  |
| W31P4Q1010008 | University of California, Los Angeles                | U.S. Army Aviation and Missile Command                  | Micro-Technology for Positioning, Navigation and Timing     | MTO  | Andrei Shkel       | 2011 | 364,487    |
| W31P4Q1010010 | University of California Santa Barbara               | U.S. Army Aviation and Missile Command                  | THERMAL MANAGEMENT TECHNOLOGIES                             | MTO  | Avram Bar-Cohen    | 2011 | 490,415    |
| W31P4Q1010015 | Carnegie Mellon University                           | U.S. Army Aviation and Missile Command                  | THERMAL MANAGEMENT TECHNOLOGIES                             | MTO  | Avram Bar-Cohen    | 2011 | 1,368,428  |
| W31P4Q1010018 | University of Maryland Baltimore County              | U.S. Army Aviation and Missile Command                  | Zeno-Based Opto-Electronics (ZOE)                           | DSO  | Matthew Goodman    | 2011 | 125,472    |
| W31P4Q10C0005 | Triton Systems, Inc.                                 | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 498,480    |
| W31P4Q10C0010 | Systemic Management Science Corporation              | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs  | SBIR | Susan Nichols      | 2011 | 374,923    |

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| W31P4Q10C0014 | Honeywell Inc                          | U.S. Army Aviation and Missile Command | CHIP SCALE VACUUM MICRO PUMPS                           | MTO  | Tayo Akinwande  | 2011 | 2,323,772 |
| W31P4Q10C0020 | SJT Micropower, Inc.                   | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 355,644   |
| W31P4Q10C0025 | GammaTech, Inc.                        | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,232   |
| W31P4Q10C0027 | ENGeniusMicro, LLC                     | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,917   |
| W31P4Q10C0030 | Streamline Automation, LLC             | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,745   |
| W31P4Q10C0057 | TiaLinx, Inc.                          | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 624,615   |
| W31P4Q10C0063 | ZIVA Corporation                       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,697   |
| W31P4Q10C0063 | ZIVA Corporation                       | U.S. Army Aviation and Missile Command | SBIR MISSION FUNDS                                      | SBIR | Susan Nichols   | 2011 | 397,630   |
| W31P4Q10C0138 | Srico, Inc.                            | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,971   |
| W31P4Q10C0139 | Object Video                           | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,918   |
| W31P4Q10C0141 | MagiQ Technologies, Inc.               | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,573   |
| W31P4Q10C0144 | Voxel Inc.                             | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 355,728   |
| W31P4Q10C0147 | Archinoetics, LLC                      | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,992   |
| W31P4Q10C0164 | Princeton Lightwave, Inc.              | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,804   |
| W31P4Q10C0166 | TRX Systems, Inc.                      | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,999   |
| W31P4Q10C0168 | Texas Research Austin, Inc             | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 346,626   |
| W31P4Q10C0170 | Agiltron Corp                          | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,938   |
| W31P4Q10C0172 | IntelliTech Microsystems, Inc.         | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 278,864   |
| W31P4Q10C0174 | HS Owen                                | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 199,322   |
| W31P4Q10C0175 | NanoSonic, Inc.                        | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 375,000   |
| W31P4Q10C0176 | Science Research Laboratory Inc.       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,997   |
| W31P4Q10C0185 | Aptima, Inc.                           | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 368,119   |
| W31P4Q10C0192 | Physical Optics Corporation            | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,976   |
| W31P4Q10C0193 | Object Video                           | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,935   |
| W31P4Q10C0194 | Aptima, Inc.                           | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 375,000   |
| W31P4Q10C0195 | Creative Electron, Inc                 | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,988   |
| W31P4Q10C0198 | Science Research Laboratory Inc.       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,909   |
| W31P4Q10C0199 | Nano-Terra, Inc                        | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 344,503   |
| W31P4Q10C0202 | Dragonfly Pictures Incorporated (DPI)  | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 366,616   |
| W31P4Q10C0203 | Technology Services Corporation        | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,799   |
| W31P4Q10C0209 | Aspen Aerogels, Inc.                   | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,915   |
| W31P4Q10C0210 | EOSPACe, Inc.                          | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,992   |
| W31P4Q10C0211 | Mayachitra, Inc.                       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 350,025   |
| W31P4Q10C0212 | EOSPACe, Inc.                          | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 371,976   |
| W31P4Q10C0214 | Kitware                                | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,802   |
| W31P4Q10C0219 | PHARAD, LLC                            | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 709,965   |
| W31P4Q10C0227 | Applied Physical Sciences Corp.        | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,983   |
| W31P4Q10C0248 | HF Designworks, Inc.                   | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 85,610    |
| W31P4Q10C0254 | Busek Co. Inc.                         | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 6,649     |
| W31P4Q10C0258 | Science Research Laboratory Inc.       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,917   |
| W31P4Q10C0262 | Kitware                                | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,959   |
| W31P4Q10C0297 | Science Research Laboratory Inc.       | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 370,295   |
| W31P4Q10C0298 | TRX Systems, Inc.                      | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 375,000   |
| W31P4Q10C0306 | TrellisWare Technologies, Inc.         | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 373,086   |
| W31P4Q10C0317 | Technology Services Corporation        | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,922   |
| W31P4Q1110002 | University of Michigan                 | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 602,677   |
| W31P4Q1110003 | University of California, Davis        | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 284,809   |
| W31P4Q1110004 | University of California, Los Angeles  | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 338,300   |
| W31P4Q1110005 | Yale University                        | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 353,467   |
| W31P4Q1110006 | University of California, Irvine       | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 460,039   |
| W31P4Q1110008 | California Institute of Technology     | U.S. Army Aviation and Missile Command | Quantum Orbital Resonance Spectroscopy (QORS)           | DSO  | Matthew Goodman | 2011 | 250,000   |
| W31P4Q1110009 | Corp for National Research Initiatives | U.S. Army Aviation and Missile Command | MEMS EXCHANGE   | MTO  | Tayo Akinwande  | 2011 | 599,348   |
| W31P4Q1110010 | University of Utah                     | U.S. Army Aviation and Missile Command | Micro-Technology for Positioning, Navigation and Timing | MTO  | Andrei Shkel    | 2011 | 297,977   |
| W31P4Q1110011 | Tufts University                       | U.S. Army Aviation and Missile Command | studies   | MTO  | Thomas Lee      | 2011 | 250,000   |
| W31P4Q1110012 | University of Texas at Arlington       | U.S. Army Aviation and Missile Command | studies   | MTO  | Thomas Lee      | 2011 | 378,161   |
| W31P4Q1110013 | University of Central Florida          | U.S. Army Aviation and Missile Command | studies   | MTO  | Thomas Lee      | 2011 | 288,834   |
| W31P4Q11C0008 | Phoenix Integration, Inc.              | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,896    |
| W31P4Q11C0012 | H Nu Photonics                         | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,816    |
| W31P4Q11C0013 | TRX Systems, Inc.                      | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,707    |
| W31P4Q11C0015 | Pikewerks Corporation                  | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,524    |
| W31P4Q11C0017 | OptoNet                                | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 375,000   |
| W31P4Q11C0019 | Galois Connections, Inc.               | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,888    |
| W31P4Q11C0023 | Srico, Inc.                            | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,992   |
| W31P4Q11C0024 | SySense Corp.                          | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,401    |
| W31P4Q11C0025 | LongShortWay, Inc.                     | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,954    |
| W31P4Q11C0031 | Vecna Technologies Inc.                | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,999    |
| W31P4Q11C0032 | Tela Innovations, Inc                  | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,895    |
| W31P4Q11C0036 | STEP Tools, Inc.                       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 48,293    |
| W31P4Q11C0042 | Mayachitra, Inc.                       | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,997   |
| W31P4Q11C0047 | Ticom Geomatics, Inc.                  | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,994    |
| W31P4Q11C0048 | Nanohmics, Inc                         | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 49,907    |
| W31P4Q11C0060 | KaZak Composites Incorporated          | U.S. Army Aviation and Missile Command | STTR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 95,760    |
| W31P4Q11C0063 | Manufacturing Laboratories, Inc.       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 45,492    |
| W31P4Q11C0071 | Si2 Technologies                       | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,993   |
| W31P4Q11C0075 | Ghkn Engineering, LLC                  | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,594   |
| W31P4Q11C0081 | Q Peak, Inc.                           | U.S. Army Aviation and Missile Command | SBIR Increments/MODs                                    | SBIR | Susan Nichols   | 2011 | 374,898   |

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| W31P4Q11C0083 | Charles River Analytics, Inc.                                | U.S. Army Aviation and Missile Command                  | STTR Phase II   | SBIR | Susan Nichols       | 2011 | 275,000   |
| W31P4Q11C0086 | Kitware  | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs                                    | SBIR | Susan Nichols       | 2011 | 374,605   |
| W31P4Q11C0089 | Magnolia Optical Technologies, Inc.                          | U.S. Army Aviation and Missile Command                  | STTR Increments/MODs                                    | SBIR | Susan Nichols       | 2011 | 375,000   |
| W31P4Q11C0090 | HYPERCOMP, INC.  | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs                                    | SBIR | Susan Nichols       | 2011 | 374,986   |
| W31P4Q11C0097 | Tempest Technologies   | U.S. Army Aviation and Missile Command                  | SBIR Increments/MODs                                    | SBIR | Susan Nichols       | 2011 | 375,040   |
| W31P4Q11C0134 | TDA Research Inc.  | U.S. Army Aviation and Missile Command                  | STTR Phase II   | SBIR | Susan Nichols       | 2011 | 275,000   |
| W31P4Q11C0212 | Global Infotek, Inc  | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,465    |
| W31P4Q11C0213 | Outdo Inc  | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 98,959    |
| W31P4Q11C0216 | Fred Cohen & Associates                                      | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,632    |
| W31P4Q11C0217 | Harp Engineering, LLC  | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 196,611   |
| W31P4Q11C0218 | QUASAR Federal Systems (QFS), Inc.                           | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,909    |
| W31P4Q11C0221 | Scientific Systems Company                                   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,974    |
| W31P4Q11C0225 | MAV6   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,829    |
| W31P4Q11C0229 | Allure Security Technology                                   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 100,000   |
| W31P4Q11C0230 | ELORET Corporation   | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 187,377   |
| W31P4Q11C0237 | AEgis Technologies Group, Inc                                | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 187,484   |
| W31P4Q11C0238 | Phoebus Optoelectronics LLC                                  | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 187,499   |
| W31P4Q11C0249 | Bashpole, Inc  | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 375,000   |
| W31P4Q11C0251 | Intelligent Fusion Technology, Inc                           | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,998    |
| W31P4Q11C0341 | Raytheon Company   | U.S. Army Aviation and Missile Command                  | NEAR JUNCTION TRANSPORT                                 | MTO  | Avram Bar-Cohen     | 2011 | 1,763,915 |
| W31P4Q12C0001 | University of California, Berkeley                           | U.S. Army Aviation and Missile Command                  | microPNT  | MTO  | Andrei Shkel        | 2011 | 1,000,000 |
| W31P4Q12C0014 | Advanced Cooling Technologies, Inc                           | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,994    |
| W31P4Q12C0015 | Intelligent Automation, Inc.                                 | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 100,000   |
| W31P4Q12C0019 | BAE Systems Information & Electronic Systems Integration Inc | U.S. Army Aviation and Missile Command                  | NEAR JUNCTION TRANSPORT                                 | MTO  | Avram Bar-Cohen     | 2011 | 2,124,385 |
| W31P4Q12C0020 | Systema Technologies, Inc.                                   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,832    |
| W31P4Q12C0026 | TIAX LLC   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,935    |
| W31P4Q12C0031 | Mainstream Engineering Corporation                           | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,896    |
| W31P4Q12C0040 | Carley Technologies, Inc.                                    | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,944    |
| W31P4Q12C0042 | UTRON, Inc   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,945    |
| W31P4Q12C0043 | TRX Systems, Inc.  | U.S. Army Aviation and Missile Command                  | SBIR Phase II   | SBIR | Susan Nichols       | 2011 | 375,000   |
| W31P4Q12C0045 | Perceptrons Solutions, Inc.                                  | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,999    |
| W31P4Q12C0050 | Charles River Analytics, Inc.                                | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,969    |
| W31P4Q12C0051 | Influent Corporation   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 100,000   |
| W31P4Q12C0052 | Streamline Automation, LLC                                   | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,922    |
| W31P4Q12C0053 | Digital Solid State Propulsion LLC                           | U.S. Army Aviation and Missile Command                  | SBIR Phase I  | SBIR | Susan Nichols       | 2011 | 99,942    |
| W31P4Q12C0067 | Tri-Quint Semiconductor Inc.                                 | U.S. Army Aviation and Missile Command                  | NEAR JUNCTION TRANSPORT                                 | MTO  | Avram Bar-Cohen     | 2011 | 1,518,647 |
| W31P4Q12C0067 | Tri-Quint Semiconductor Inc.                                 | U.S. Army Aviation and Missile Command                  | THERMAL MANAGEMENT TECHNOLOGIES                         | MTO  | Avram Bar-Cohen     | 2011 | 824,174   |
| W74V8H06C0002 | The Rand Corporation   | DoD Washington headquarters Services                    | SAFER   | I2O  | Richard Dean        | 2011 | 233,000   |
| W81XWH08C0727 | Aptima, Inc.   | US Army Medical Research Acquisition Activity           | Strategic Social Interaction Modules (SSIM)             | I2O  | Brian Lande         | 2011 | 100,000   |
| W900K09D0323  | Science Application International Corporation                | PEO Simulation, Training and Instrumentation (PEO-STRI) | Deep Green  | I2O  | Dennis McBride      | 2011 | 63,000    |
| W9113M09C0223 | Digital Fusion Solutions Inc.                                | U.S. Army Space and Missile Defense Command             | QORS  | DSO  | Matthew Goodman     | 2011 | 109,250   |
| W911NF04D0005 | Univ of Southern California's Inst for Creative Technologies | U.S. Army Research Office                               | Detection & Comp Analysis of Psych Signals (DCAPS)      | I2O  | Russ Shilling       | 2011 | 2,301,048 |
| W911NF0610327 | Pennsylvania State University                                | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 100,000   |
| W911NF0610398 | Pennsylvania State University                                | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 125,000   |
| W911NF0710028 | University of Texas at Austin                                | US Army Research Laboratory - Adelphi                   | ITMANET   | I2O  | Aaron Lazarus       | 2011 | 990,484   |
| W911NF0710029 | Stanford University  | US Army Research Laboratory - Adelphi                   | ITMANET   | I2O  | Aaron Lazarus       | 2011 | 934,072   |
| W911NF0710277 | California Institute of Technology                           | U.S. Army Research Office                               | Nanoscale Architecture for Coherent Hyper-Optic Sources | MTO  | Scott Rodgers       | 2011 | 900,000   |
| W911NF0710314 | University of California, Berkeley                           | U.S. Army Research Office                               | Nanoscale Architecture for Coherent Hyper-Optic Sources | MTO  | Scott Rodgers       | 2011 | 1,250,000 |
| W911NF0710338 | University of California, San Diego                          | U.S. Army Research Office                               | Nanoscale Architecture for Coherent Hyper-Optic Sources | MTO  | Scott Rodgers       | 2011 | 800,000   |
| W911NF0710464 | Rice University  | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 2,834,500 |
| W911NF0710493 | Massachusetts Institute of Technology                        | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 2,130,833 |
| W911NF0710576 | University of Maryland                                       | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 2,901,166 |
| W911NF0810002 | University of Maryland                                       | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 79,950    |
| W911NF0810021 | University of Illinois at Urbana-Champaign                   | U.S. Army Research Office                               | Optical Lattice Emulator                                | DSO  | Jamil Abo-Shaer     | 2011 | 130,000   |
| W911NF0810249 | Brown U  | U.S. Army Research Office                               | Nanostructured Materials for Power                      | DSO  | Brian Holloway      | 2011 | 180,000   |
| W911NF0810347 | University of California, Santa Cruz                         | U.S. Army Research Office                               | Nanostructured Materials for Power                      | DSO  | Brian Holloway      | 2011 | 675,000   |
| W911NF0820012 | Technology Assessment and Transfer, Inc.                     | US Army Research Laboratory - Aberdeen Proving Ground   | Soldier Protection Systems                              | DSO  | Judah Goldwasser    | 2011 | 220,204   |
| W911NF08C0050 | Teledyne Industries, Inc.                                    | U.S. Army Research Office                               | High Frequency Integrated Vacuum Electronics (HIFIVE)   | MTO  | John Albrecht       | 2011 | 927,577   |
| W911NF08C0051 | Northrop Grumman Systems Corporation                         | U.S. Army Research Office                               | High Frequency Integrated Vacuum Electronics (HIFIVE)   | MTO  | John Albrecht       | 2011 | 289,533   |
| W911NF08C0058 | Research Triangle Institute                                  | U.S. Army Research Office                               | Nanostructured Materials for Power                      | DSO  | Brian Holloway      | 2011 | 2,573,098 |
| W911NF08C0122 | Northrop Grumman Systems Corporation                         | U.S. Army Research Office                               | High Frequency Integrated Vacuum Electronics (HIFIVE)   | MTO  | John Albrecht       | 2011 | 305,241   |
| W911NF0910063 | University of Miami School of Medicine                       | U.S. Army Research Office                               | Plasma Sterilization of Wounds and Medical Devices      | DSO  | Alan Magill         | 2011 | 399,999   |
| W911NF0920011 | University of California, San Diego                          | US Army Research Laboratory - Adelphi                   | Tactical Advanced Power (TAP)                           | DSO  | Brian Holloway      | 2011 | 1,660,791 |
| W911NF0920019 | University of Virginia                                       | US Army Research Laboratory - Adelphi                   | CERA (Carbon Electronics for RF Applications)           | MTO  | John Albrecht       | 2011 | 150,000   |
| W911NF0920068 | CRYSTAL IS, Inc.   | US Army Research Laboratory - Adelphi                   | COMPACT MID-ULTRAVIOLET TECHNOLOGY                      | MTO  | John Albrecht       | 2011 | 2,875,000 |
| W911NF09C0014 | De Technologies, Inc   | U.S. Army Research Office                               | Reactive Material Structures (DSO)                      | DSO  | Judah Goldwasser    | 2011 | 2,990,000 |
| W911NF09C0023 | Teledyne Scientific and Imaging, LLC                         | U.S. Army Research Office                               | Materials with Novel Transport Properties (MANTRA)      | DSO  | Cynthia Daniell     | 2011 | 2,949,648 |
| W911NF09C0033 | Washington State University                                  | U.S. Army Research Office                               | Reactive Material Structures (DSO)                      | DSO  | Judah Goldwasser    | 2011 | 1,100,498 |
| W911NF09C0035 | DEKA Research and Development                                | U.S. Army Research Office                               | Revolutionizing Prosthetics                             | DSO  | Geoffrey Ling       | 2011 | 972,000   |
| W911NF09C0079 | Porifera, Inc  | U.S. Army Research Office                               | Materials with Novel Transport Properties (MANTRA)      | DSO  | Cynthia Daniell     | 2011 | 6,383,811 |
| W911NF1010050 | University of Colorado at Boulder                            | U.S. Army Research Office                               | ENABLING STRESS RESISTANCE (ESR)                        | DSO  | Christian Macedonia | 2011 | 1,200,970 |
| W911NF1010059 | Massachusetts Institute of Technology                        | U.S. Army Research Office                               | ENABLING STRESS RESISTANCE (ESR)                        | DSO  | Christian Macedonia | 2011 | 3,246,003 |
| W911NF1010066 | Northwestern University                                      | U.S. Army Research Office                               | ENABLING STRESS RESISTANCE (ESR)                        | DSO  | Christian Macedonia | 2011 | 3,484,365 |
| W911NF1010088 | Massachusetts Institute of Technology                        | U.S. Army Research Office                               | ELASTx  | MTO  | Sanjay Raman        | 2011 | 831,953   |
| W911NF1010089 | University of California, San Diego                          | U.S. Army Research Office                               | ELASTx  | MTO  | Sanjay Raman        | 2011 | 2,008,550 |
| W911NF1010093 | Children's Hospital of Philadelphia                          | U.S. Army Research Office                               | ENABLING STRESS RESISTANCE (ESR)                        | DSO  | Christian Macedonia | 2011 | 2,885,500 |

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|---------------|--|---------------------------------------|--|------|-------------------|------|-----------|
| W911NF1010098 | Georgia Institute of Technology (Sponsored Programs)         | U.S. Army Research Office             | Advanced Structural Fiber                                    | DSO  | Brian Holloway    | 2011 | 3,734,066 |
| W911NF1010113 | Harvard University   | U.S. Army Research Office             | Bioinspired Photonics  | DSO  | Jamil Abo-Shaer   | 2011 | 266,919   |
| W911NF1010121 | College of William and Mary                                  | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 90,000    |
| W911NF1010126 | The University of Texas M D Anderson Cancer Center           | U.S. Army Research Office             | Wound Stasis System  | DSO  | Brian Holloway    | 2011 | 870,380   |
| W911NF1010206 | Yale University  | U.S. Army Research Office             | Control of Material Properties through Advanced Structures   | DSO  | Jamil Abo-Shaer   | 2011 | 449,885   |
| W911NF1010217 | Harvard School of Public Health                              | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 790,186   |
| W911NF1010264 | Ohio State University  | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 169,722   |
| W911NF1010266 | Dana-Farber Cancer Institute                                 | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 1,475,606 |
| W911NF1010268 | The Charles Stark Draper Laboratory, Inc.                    | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 2,284,238 |
| W911NF1010271 | Massachusetts General Hospital                               | U.S. Army Research Office             | study FOR OFFICE   | DSO  | Tanya M. Tanner   | 2011 | 411,955   |
| W911NF1010278 | Defense Science & Technology Laboratory                      | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 100,000   |
| W911NF1010287 | Fio Corporation  | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 281,000   |
| W911NF1010299 | Arizona State University                                     | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 2,386,110 |
| W911NF1010382 | Pulmatrix, Inc.  | U.S. Army Research Office             | 7-Day Biodefense   | DSO  | Michael Callahan  | 2011 | 2,171,775 |
| W911NF1010395 | Duke University  | U.S. Army Research Office             | Information in a Photon (InPho)                              | DSO  | Mark Neifeld      | 2011 | 1,430,944 |
| W911NF1010404 | University of Rochester                                      | U.S. Army Research Office             | Information in a Photon (InPho)                              | DSO  | Mark Neifeld      | 2011 | 283,500   |
| W911NF1010416 | Columbia University  | U.S. Army Research Office             | Information in a Photon (InPho)                              | DSO  | Mark Neifeld      | 2011 | 377,464   |
| W911NF1010420 | University of Texas at Austin                                | US Army Research Laboratory - Adelphi | ITMANET  | I2O  | Aaron Lazarus     | 2011 | 48,856    |
| W911NF1020023 | Sensor Electronic Technology, Inc.                           | US Army Research Laboratory - Adelphi | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht     | 2011 | 474,000   |
| W911NF1020023 | Sensor Electronic Technology, Inc.                           | US Army Research Laboratory - Adelphi | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht     | 2011 | 2,638,300 |
| W911NF1020059 | The Regents of the University of CA at Berkeley              | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 1,023,092 |
| W911NF1020060 | Purdue University  | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 1,059,053 |
| W911NF1020061 | Carnegie Mellon University                                   | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 807,705   |
| W911NF1020062 | Research Foundation of State University of New York          | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 678,641   |
| W911NF1020063 | University of Southern California Dept of Contracts & Grants | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 917,800   |
| W911NF1020064 | University of Arizona  | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 947,832   |
| W911NF1020065 | Massachusetts Institute of Technology                        | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 235,840   |
| W911NF1020066 | Colorado State University                                    | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 287,048   |
| W911NF1020102 | Palo Alto Research Center (PARC) Incorporated                | US Army Research Laboratory - Adelphi | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht     | 2011 | 1,852,478 |
| W911NF10C0044 | Advanced Technology & Research Corp.                         | U.S. Army Research Office             | SBIR Increments/MODs   | SBIR | Susan Nichols     | 2011 | 372,870   |
| W911NF10C0067 | Enovix Corporation   | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 1,299,698 |
| W911NF10C0069 | General Electric Company                                     | U.S. Army Research Office             | Bioinspired Photonics  | DSO  | Jamil Abo-Shaer   | 2011 | 665,972   |
| W911NF10C0079 | iROBOT   | U.S. Army Research Office             | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt        | 2011 | 249,889   |
| W911NF10C0080 | General Dynamics Robotic Systems                             | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 644,847   |
| W911NF10C0081 | iROBOT   | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 291,707   |
| W911NF10C0082 | The Netherlands Org. for Applied Scientific Res.             | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 878,373   |
| W911NF10C0083 | SRI International  | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 1,339,514 |
| W911NF10C0084 | Toyon Research Corp.   | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 213,393   |
| W911NF10C0085 | Spectrum Brands, Inc./Rayovac                                | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 711,866   |
| W911NF10C0089 | Arsenal Medical  | U.S. Army Research Office             | Wound Stasis System  | DSO  | Brian Holloway    | 2011 | 2,774,811 |
| W911NF10C0093 | Co57 Systems   | US Army Research Laboratory - Adelphi | Mind's Eye   | I2O  | James Donlon      | 2011 | 750,939   |
| W911NF10C0094 | Free Form Fibers, LLC  | U.S. Army Research Office             | Advanced Structural Fiber                                    | DSO  | Brian Holloway    | 2011 | 199,941   |
| W911NF10C0103 | PolyStar Energy Corporation                                  | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 480,491   |
| W911NF10C0104 | Maxwell Technologies, Inc.                                   | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 1,721,810 |
| W911NF10C0107 | Science Research Laboratory Inc.                             | U.S. Army Research Office             | EXCALIBUR  | MTO  | Joseph A. Mangano | 2011 | 2,985,978 |
| W911NF110003  | California Institute of Technology                           | U.S. Army Research Office             | Advanced Structural Fiber                                    | DSO  | Brian Holloway    | 2011 | 85,000    |
| W911NF110004  | Texas Engineering Experiment Station                         | U.S. Army Research Office             | Structural Logic   | DSO  | Aaron Lazarus     | 2011 | 370,894   |
| W911NF1100034 | Photon Systems   | U.S. Army Research Office             | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht     | 2011 | 1,904,902 |
| W911NF1100060 | Carnegie Mellon University                                   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 142,284   |
| W911NF1100061 | Carnegie Mellon University                                   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 210,796   |
| W911NF1100063 | Georgia Tech Research Corporation(GTRC)                      | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 149,653   |
| W911NF1100076 | University of California, Santa Cruz                         | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 149,998   |
| W911NF1100077 | University of California, Santa Barbara                      | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 136,872   |
| W911NF1100079 | Tufts University   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 415,229   |
| W911NF1100089 | University of California, Berkeley                           | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 375,200   |
| W911NF1100093 | Cornell University   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 163,333   |
| W911NF1100094 | Harvard University   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 468,750   |
| W911NF1100096 | Massachusetts Institute of Technology                        | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 1,116,487 |
| W911NF1100098 | Carnegie Mellon University                                   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 375,900   |
| W911NF1101113 | Carnegie Mellon University                                   | U.S. Army Research Office             | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt        | 2011 | 149,250   |
| W911NF1101140 | Columbia University  | U.S. Army Research Office             | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman     | 2011 | 256,746   |
| W911NF1101173 | California Institute of Technology                           | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 320,839   |
| W911NF1101179 | University of Oklahoma                                       | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 192,927   |
| W911NF1101183 | Cornell University   | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 307,013   |
| W911NF1101202 | Massachusetts Institute of Technology                        | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 441,125   |
| W911NF1101212 | University of Maryland                                       | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 84,200    |
| W911NF1101228 | University of California Santa Barbara                       | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 514,810   |
| W911NF1101235 | Niels Bohr Institute, University of Copenhagen               | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 221,405   |
| W911NF1101241 | University of Chicago  | U.S. Army Research Office             | Control of Material Properties through Advanced Structures   | DSO  | Jamil Abo-Shaer   | 2011 | 228,362   |
| W911NF1101253 | University of Illinois at Urbana                             | U.S. Army Research Office             | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway    | 2011 | 307,574   |
| W911NF1101254 | University of Illinois at Urbana-Champaign                   | U.S. Army Research Office             | studies  | MTO  | Thomas Lee        | 2011 | 300,000   |
| W911NF1101300 | Geophysical Laboratory at Carnegie Institution of Washington | U.S. Army Research Office             | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser  | 2011 | 379,780   |
| W911NF1101369 | University of California, Los Angeles                        | U.S. Army Research Office             | Quantum-Assisted Sensing and Readout (QuASAR)                | DSO  | Jamil Abo-Shaer   | 2011 | 180,000   |
| W911NF1101380 | Yale University  | U.S. Army Research Office             | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser  | 2011 | 357,133   |
| W911NF1101435 | Cornell University   | US Army Research Laboratory - Adelphi | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)            | MTO  | Jagdeep Shah      | 2011 | 250,000   |
| W911NF1101513 | University of Cambridge                                      | U.S. Army Research Office             | Optical Lattice Emulator                                     | DSO  | Jamil Abo-Shaer   | 2011 | 52,350    |



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|---------------|--|---|--|------|---------------------|------|-----------|
| W911NF1110515 | Joan & Sanford I. Weill Med College of Cornell Univ        | U.S. Army Research Office                                   | ENABLING STRESS RESISTANCE (ESR)                             | DSO  | Christian Macedonia | 2011 | 271,305   |
| W911NF1110540 | Montana State University                                   | U.S. Army Research Office                                   | Information in a Photon (InPho)                              | DSO  | Mark Neifeld        | 2011 | 224,763   |
| W911NF1120007 | USC Information Sciences Institute                         | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 340,367   |
| W911NF1120009 | Carnegie Mellon University                                 | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 435,952   |
| W911NF1120015 | Florida Institute for Human and Machine Cognition          | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 442,700   |
| W911NF1120024 | Riverview Artificial Intelligence, LLC                     | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 60,122    |
| W911NF1120049 | George Mason University                                    | U.S. Army Research Office                                   | AWARE  | MTO  | Nibir Dhar          | 2011 | 180,000   |
| W911NF1120054 | Massachusetts Institute of Technology                      | U.S. Army Research Office                                   | ADEPT  | DSO  | Daniel Wattendorf   | 2011 | 301,913   |
| W911NF1120055 | California Institute of Technology                         | U.S. Army Research Office                                   | ADEPT  | DSO  | Daniel Wattendorf   | 2011 | 416,376   |
| W911NF1120056 | Boston University  | U.S. Army Research Office                                   | ADEPT  | DSO  | Daniel Wattendorf   | 2011 | 500,921   |
| W911NF1120059 | International Business Machines, Inc                       | US Army Research Laboratory - Adelphi                       | POEM(PHOTONICALLY OPTIM EMBEDDED MICROPROCESSORS)            | MTO  | Jagdeep Shah        | 2011 | 829,461   |
| W911NF1120065 | IRDT Solutions Inc   | U.S. Army Research Office                                   | AWARE  | MTO  | Nibir Dhar          | 2011 | 274,755   |
| W911NF1120066 | Northwestern University                                    | U.S. Army Research Office                                   | ADEPT  | DSO  | Daniel Wattendorf   | 2011 | 56,667    |
| W911NF1120068 | University of Washington Office of Sponsored Programs      | U.S. Army Research Office                                   | ADEPT  | DSO  | Daniel Wattendorf   | 2011 | 516,804   |
| W911NF1120069 | MV Innovative Technologies LLC                             | US Army Research Laboratory - Adelphi                       | HELLADS  | STO  | Richard Bagnell     | 2011 | 429,996   |
| W911NF1120070 | University of North Carolina, Charlotte Sponsored Programs | US Army Research Laboratory - Adelphi                       | Low Cost Thermal Imager (LCTI-M)                             | MTO  | Nibir Dhar          | 2011 | 143,096   |
| W911NF1120090 | Active Computing, Inc.                                     | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 234,411   |
| W911NF11C0029 | Functional Genetics, Inc.                                  | U.S. Army Research Office                                   | DSO studies  | DSO  | Tanya M. Tanner     | 2011 | 700,000   |
| W911NF11C0036 | Science Engineering Technology Associates.                 | U.S. Army Research Office                                   | NeoVision 2  | DSO  | Gill Pratt          | 2011 | 200,000   |
| W911NF11C0037 | Smart Information Flow Technologies                        | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 453,278   |
| W911NF11C0039 | General Dynamics Advanced Information Systems              | US Army Research Laboratory - Aberdeen Proving Ground       | OH BY THE WAY (OBTW)   | I2O  | Robert Kohout       | 2011 | 1,079,016 |
| W911NF11C0041 | Lockheed Martin Advanced Technologies Lab                  | U.S. Army Research Office                                   | Advanced Structural Fiber                                    | DSO  | Brian Holloway      | 2011 | 336,303   |
| W911NF11C0088 | SAIC   | U.S. Army Research Office                                   | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman       | 2011 | 2,260,267 |
| W911NF11C0090 | LanzaTech, Inc.  | U.S. Army Research Office                                   | BioFuels - Alternative Feedstocks                            | STO  | Robert Mantz        | 2011 | 100,000   |
| W911NF11C0101 | Massachusetts Institute of Technology                      | U.S. Army Research Office                                   | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt          | 2011 | 303,333   |
| W911NF11C0200 | International Business Machines, Inc                       | U.S. Army Research Office                                   | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman       | 2011 | 1,309,718 |
| W911NF11C0201 | Massachusetts Institute of Technology                      | U.S. Army Research Office                                   | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt          | 2011 | 700,000   |
| W911NF11C0210 | University of California, San Diego                        | U.S. Army Research Office                                   | Soldier-Centric Imaging via Computational Cameras (SCENICC)  | DSO  | Mark Neifeld        | 2011 | 1,225,000 |
| W911NF11C0210 | University of California, San Diego                        | U.S. Army Research Office                                   | Soldier-Centric Imaging via Computational Cameras (SCENICC)  | DSO  | Mark Neifeld        | 2011 | 3,775,000 |
| W911NF11C0214 | Raytheon Oakley Systems, Inc.                              | U.S. Army Research Office                                   | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman       | 2011 | 1,373,672 |
| W911NF11C0215 | University of Maryland                                     | U.S. Army Research Office                                   | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman       | 2011 | 623,999   |
| W911NF11C0216 | Palo Alto Research Center (PARC) Incorporated              | U.S. Army Research Office                                   | Anomaly Detection at Multiple Scales (ADAMS)                 | I2O  | Rand Waltzman       | 2011 | 805,528   |
| W911NF11C0266 | Aptima, Inc.   | U.S. Army Research Office                                   | I2O Mgmt Initiatives CCS-02                                  | I2O  | Wendy Smith         | 2011 | 799,787   |
| W911NF11C0266 | Aptima, Inc.   | U.S. Army Research Office                                   | Strategic Social Interaction Modules (SSIM)                  | I2O  | Brian Lande         | 2011 | 765,994   |
| W911NF11C0268 | Research Triangle Institute                                | U.S. Army Research Office                                   | Nanostructured Materials for Power                           | DSO  | Brian Holloway      | 2011 | 1,795,008 |
| W911NF11C0273 | Soar Technology, Inc.                                      | U.S. Army Research Office                                   | Strategic Social Interaction Modules (SSIM)                  | I2O  | Brian Lande         | 2011 | 303,956   |
| W911NF11C0275 | Invincea Labs  | U.S. Army Research Office                                   | Transformative Apps  | I2O  | Mari Maeda          | 2011 | 98,921    |
| W911NF11D0001 | Battelle Memorial Institute                                | U.S. Army Research Office                                   | Strategic Social Interaction Modules (SSIM)                  | I2O  | Brian Lande         | 2011 | 25,000    |
| W911NF1210001 | University of California, Los Angeles                      | U.S. Army Research Office                                   | Microscale Plasma Devices                                    | MTO  | Daniel Purdy        | 2011 | 326,348   |
| W911NF1210007 | Texas A&M University (See Cage Code 0EBC6)                 | U.S. Army Research Office                                   | Microscale Plasma Devices                                    | MTO  | Daniel Purdy        | 2011 | 259,962   |
| W911NF12C0001 | SRI International  | U.S. Army Research Office                                   | Strategic Social Interaction Modules (SSIM)                  | I2O  | Brian Lande         | 2011 | 557,086   |
| W911NF12C0002 | Raytheon BBN Technologies Corp.                            | U.S. Army Research Office                                   | Strategic Social Interaction Modules (SSIM)                  | I2O  | Brian Lande         | 2011 | 500,000   |
| W911NF12C0004 | Rescon LTD   | U.S. Army Research Office                                   | ENABLING STRESS RESISTANCE (ESR)                             | DSO  | Christian Macedonia | 2011 | 516,536   |
| W911QX06C0074 | Brimrose Corporation of America                            | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 500,000   |
| W911QX10C0027 | Hexatech Inc.  | US Army Research Laboratory - Adelphi                       | CERA (Carbon Electronics for RF Applications)                | MTO  | John Albrecht       | 2011 | 200,760   |
| W911QX10C0027 | Hexatech Inc.  | US Army Research Laboratory - Adelphi                       | COMPACT MID-ULTRAVIOLET TECHNOLOGY                           | MTO  | John Albrecht       | 2011 | 1,414,372 |
| W911QX11C0066 | Northrop Grumman Systems Corporation                       | US Army Research Laboratory - Adelphi                       | Terahertz Electronics  | MTO  | John Albrecht       | 2011 | 635,094   |
| W911QX11C0094 | Light Spin Technologies, Inc.                              | US Army Research Laboratory - Adelphi                       | SWEEPER(Short Range Wide Field of View Elec Steered Photonic | MTO  | Scott Rodgers       | 2011 | 749,999   |
| W911QX11C0116 | EPIR Technologies, Inc.                                    | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 2,499,991 |
| W911QX11C0119 | Research Triangle Institute                                | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 295,905   |
| W911QX12C0002 | University of Minnesota                                    | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 250,000   |
| W911QX12C0003 | Banpil Photonics, Inc.                                     | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 1,300,000 |
| W911QX12C0006 | CoolCAD  | US Army Research Laboratory - Adelphi                       | Low Cost Thermal Imager (LCTI-M)                             | MTO  | Nibir Dhar          | 2011 | 486,880   |
| W911QX12P0008 | Agilitron Corp   | US Army Research Laboratory - Adelphi                       | AWARE  | MTO  | Nibir Dhar          | 2011 | 149,019   |
| W9124B11D0001 | IEC - All Star, LLC  | Director of Resource Management Directorate of Public Works | Insight  | I2O  | Benjamin Cutler     | 2011 | 743,530   |
| W9132T08D0001 | Pertan Group   | Engineering Research and Development Center (ERDC)          | Comprehensive Interior Reconnaissance (CIR) Program          | STO  | Joseph Durek        | 2011 | 89,999    |
| W9132T10C0007 | BBN Technologies   | Engineering Research and Development Center (ERDC)          | Comprehensive Interior Reconnaissance (CIR) Program          | STO  | Joseph Durek        | 2011 | 2,992,033 |
| W9132T10C0026 | Michigan Technological University                          | Corps of Engineers, Construction Engr Resch Lab             | Comprehensive Interior Reconnaissance (CIR) Program          | STO  | Joseph Durek        | 2011 | 99,786    |
| W91CRB06C5010 | General Dynamics Advanced Information System, Inc.         | US Army Research Laboratory - Adelphi                       | Super Resolution Vision System (SRVS)                        | STO  | Deepak Varshneya    | 2011 | 1,135,000 |
| W91CRB1010001 | Stanford University  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway      | 2011 | 150,000   |
| W91CRB1010002 | University of Colorado at Boulder                          | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway      | 2011 | 150,000   |
| W91CRB1010004 | Johns Hopkins University                                   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser    | 2011 | 649,999   |
| W91CRB1010005 | University of Virginia                                     | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser    | 2011 | 1,177,596 |
| W91CRB1010006 | University of California, San Diego                        | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser    | 2011 | 384,721   |
| W91CRB10C0049 | RE2, Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt          | 2011 | 2,226,117 |
| W91CRB10C0061 | Conflict Kinetics  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | STTR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,954   |
| W91CRB10C0066 | Npoint, Inc.   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 216,887   |
| W91CRB10C0067 | NuCrypt LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 375,023   |
| W91CRB10C0068 | MP Technologies, LLC                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,858   |
| W91CRB10C0069 | Freedom Photonics LLC                                      | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | STTR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,997   |
| W91CRB10C0070 | S2 Corporation   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 324,000   |
| W91CRB10C0071 | Cyphy Works, Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 371,770   |
| W91CRB10C0072 | Lithographic Technology Corp.                              | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,784   |
| W91CRB10C0078 | Advanced Tech Engineering, Inc                             | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,953   |
| W91CRB10C0079 | SmartRealm LLC   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | SBIR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 374,475   |
| W91CRB10C0080 | Actinix  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr     | STTR Increments/MODs   | SBIR | Susan Nichols       | 2011 | 372,686   |

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| W91CRB10C0098 | Kitware  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | STTR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,414   |
| W91CRB10C0098 | Kitware  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | STTR Phase II  | SBIR | Susan Nichols    | 2011 | 274,992   |
| W91CRB10C0099 | Morton Photonics Incorporated                                | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | STTR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,999   |
| W91CRB10C0099 | Morton Photonics Incorporated                                | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | STTR Phase II  | SBIR | Susan Nichols    | 2011 | 155,316   |
| W91CRB10C0102 | HyperTech Systems  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB10C0103 | Princeton Vision LLC   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | STTR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 386,684   |
| W91CRB10C0106 | Canglian Microsystems Corporation                            | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,091   |
| W91CRB10C0126 | HRL Laboratories, LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 909,052   |
| W91CRB10C0127 | iROBOT   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 949,387   |
| W91CRB10C0128 | SRI International  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 949,788   |
| W91CRB10C0129 | Exogi LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 372,446   |
| W91CRB10C0130 | Cermet, Inc.   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 378,246   |
| W91CRB10C0131 | StackFrame, LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 298,561   |
| W91CRB10C0132 | Carnegie Mellon University                                   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 895,155   |
| W91CRB10C0136 | University of Southern California Dept of Contracts & Grants | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 816,334   |
| W91CRB10C0137 | Semiconductor Research Corporation                           | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | FOPEN-GXP  | I2O  | Vincent Sabio    | 2011 | 2,852,163 |
| W91CRB10C0139 | SRI International  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 1,480,131 |
| W91CRB10C0140 | Information Systems Lab, Inc.                                | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | FOPEN-GXP  | I2O  | Vincent Sabio    | 2011 | 509,649   |
| W91CRB10C0141 | iROBOT   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 1,239,509 |
| W91CRB10C0147 | Agiltron Corp  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,956   |
| W91CRB10C0148 | Ayasdi Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 303,286   |
| W91CRB10C0149 | D Star Engineering Corporation                               | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,507   |
| W91CRB10C0150 | Gloyer-Taylor Laboratories, LLC                              | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,961   |
| W91CRB10C0151 | I.D.E.A.L. Technology Corporation                            | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Mission Funds   | SBIR | Susan Nichols    | 2011 | 141,000   |
| W91CRB10C0152 | Materials Modification, Inc.                                 | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB10C0153 | Mohawk Innovative Tech                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,206   |
| W91CRB10C0154 | Physical Optics Corporation                                  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,997   |
| W91CRB10C0155 | Strategic Polymer Sciences Inc.                              | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,956   |
| W91CRB10C0156 | VENTIONS LLC   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 500,000   |
| W91CRB10C0159 | AURRION, LLC   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 356,582   |
| W91CRB10C0160 | Bashpole, Inc  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB10C0163 | Orbital Technologies Corp.                                   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB10C0182 | Lockheed Martin Corp.-Information Systems & Global Services  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Wide Area Network Detection (WAND)                           | I2O  | Vincent Sabio    | 2011 | 1,691,196 |
| W91CRB10C0192 | Intelligent Automation, Inc.                                 | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB10C0196 | Lockheed Martin Corp.-Information Systems & Global Services  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | FOPEN-GXP  | I2O  | Vincent Sabio    | 2011 | 449,960   |
| W91CRB10C0197 | Applied Signals Intelligence, Inc.                           | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | FOPEN-GXP  | I2O  | Vincent Sabio    | 2011 | 459,913   |
| W91CRB10C0199 | RE2, Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM)                        | DSO  | Gill Pratt       | 2011 | 199,977   |
| W91CRB10C0201 | Lockheed Martin Advanced Technologies Lab                    | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | GUARD DOG  | I2O  | Randy Garrett    | 2011 | 3,501,739 |
| W91CRB10C0202 | ALION SCIENCE AND TECHNOLOGY                                 | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | GUARD DOG  | I2O  | Randy Garrett    | 2011 | 1,018,533 |
| W91CRB10C0210 | ADAPX Inc  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Deep Green   | I2O  | Dennis McBride   | 2011 | 150,000   |
| W91CRB10C0305 | HRL Laboratories, LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Materials with Controlled Microstructural Architecture(MCMA) | DSO  | Judah Goldwasser | 2011 | 1,089,267 |
| W91CRB10C0308 | Lockheed Martin Aeronautics Company                          | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway   | 2011 | 152,441   |
| W91CRB110001  | Florida Institute for Human and Machine Cognition            | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 472,178   |
| W91CRB110002  | Oregon State University                                      | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 1,011,786 |
| W91CRB110003  | Case Western Reserve Univ                                    | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 403,448   |
| W91CRB110004  | Washington State University                                  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems                                   | DSO  | Judah Goldwasser | 2011 | 709,088   |
| W91CRB110005  | University of Virginia                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems                                   | DSO  | Judah Goldwasser | 2011 | 592,435   |
| W91CRB110006  | Johns Hopkins University                                     | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems                                   | DSO  | Judah Goldwasser | 2011 | 750,943   |
| W91CRB110007  | University of Virginia                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Tactical Advanced Power (TAP)                                | DSO  | Brian Holloway   | 2011 | 153,578   |
| W91CRB11C0005 | Navsys Corporation   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,999   |
| W91CRB11C0006 | Physical Sciences, Incorporated                              | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 295,584   |
| W91CRB11C0007 | PRANALYTICA INC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,937   |
| W91CRB11C0009 | Epitaxial Technologies, LLC                                  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,711   |
| W91CRB11C0010 | Vescent Photonics  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,665   |
| W91CRB11C0011 | Knowledge Based Systems, Inc.                                | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 373,701   |
| W91CRB11C0014 | QuesTek Innovations LLC                                      | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 374,121   |
| W91CRB11C0015 | SA Photonics   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 237,500   |
| W91CRB11C0021 | Intelligent Automation, Inc.                                 | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Increments/MODs   | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB11C0045 | Tekrona LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 133,097   |
| W91CRB11C0046 | Otherlab   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 149,443   |
| W91CRB11C0047 | Boston Dynamics, Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 3,015,277 |
| W91CRB11C0048 | Boston Dynamics, Inc.  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 3,915,891 |
| W91CRB11C0049 | iROBOT   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 97,642    |
| W91CRB11C0050 | iROBOT   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 149,339   |
| W91CRB11C0051 | HRL Laboratories, LLC  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 149,525   |
| W91CRB11C0052 | Raytheon Company   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 743,103   |
| W91CRB11C0057 | Boeing   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems                                   | DSO  | Judah Goldwasser | 2011 | 583,249   |
| W91CRB11C0059 | Vecna Technologies Inc.                                      | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Maximum Mobility and Manipulation (M3)                       | DSO  | Gill Pratt       | 2011 | 150,000   |
| W91CRB11C0067 | Aurora Flight Sciences Corporation                           | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 374,936   |
| W91CRB11C0068 | Aptima, Inc.   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB11C0069 | McQ Inc.   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 374,990   |
| W91CRB11C0088 | STI Optronics, Inc   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 84,405    |
| W91CRB11C0095 | Vecna Technologies Inc.                                      | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB11C0096 | Physical Optics Corporation                                  | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 374,998   |
| W91CRB11C0097 | Banpil Photonics, Inc.                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 375,000   |
| W91CRB11C0098 | Cyan Systems   | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II  | SBIR | Susan Nichols    | 2011 | 374,898   |

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| W91CRB11C0108 | Boulder NonLinear Systems, Incorporated       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II                         | SBIR | Susan Nichols    | 2011 | 374,691   |
| W91CRB11C0112 | HRL Laboratories, LLC                         | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems            | DSO  | Judah Goldwasser | 2011 | 849,686   |
| W91CRB11C0118 | BAE Systems Advanced Infor Tech Inc           | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 788,665   |
| W91CRB11C0119 | The Samraksh Company                          | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 334,800   |
| W91CRB11C0120 | Science Application International Corporation | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 450,361   |
| W91CRB11C0121 | Spark Integration Technologies, Inc.          | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 430,955   |
| W91CRB11C0122 | AeroVironment, Inc                            | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 260,807   |
| W91CRB11C0123 | Science Application International Corporation | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 274,137   |
| W91CRB11C0124 | Textron                                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 261,861   |
| W91CRB11C0129 | Hardwire, LLC                                 | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Topologically Ordered Armor (TOA)     | DSO  | Judah Goldwasser | 2011 | 781,032   |
| W91CRB11C0132 | Enig Associates, Inc.                         | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems            | DSO  | Judah Goldwasser | 2011 | 648,969   |
| W91CRB11C0145 | Caerus Associates, LLC                        | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | GUARD DOG                             | I2O  | Randy Garrett    | 2011 | 395,795   |
| W91CRB11C0146 | Microosm, Inc.                                | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II                         | SBIR | Susan Nichols    | 2011 | 374,855   |
| W91CRB11C0147 | Shared Spectrum Company                       | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | SBIR Phase II                         | SBIR | Susan Nichols    | 2011 | 374,924   |
| W91CRB11D0001 | Science Application International Corporation | US Army Research Laboratory - Aberdeen Proving Ground   | Net Track                             | I2O  | Vincent Sabio    | 2011 | 68,982    |
| W91CRB12C0005 | Schott Glass Technologies, Inc.               | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Soldier Protection Systems            | DSO  | Judah Goldwasser | 2011 | 1,006,892 |
| W91CRB12C0006 | Palo Alto Research Center (PARC) Incorporated | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | ADAPT                                 | STO  | Mark Rich        | 2011 | 41,618    |
| W91CRB12P0002 | RE2, Inc.                                     | US Army Res, Dev, and Engr Cmd, Simulation and Trng Ctr | Autonomous Robotic Manipulation (ARM) | DSO  | Gill Pratt       | 2011 | 97,749    |
| W91QUZ07D0027 | Carlson Wagonlit Travel                       | Defense Travel Management Office                        | HQ TRAVEL                             | SSO  | Robert Copeland  | 2011 | 38,112    |