

**WINNERS OF THE FY2005 COMPETITION UNDER THE
DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 1 of 6**

Investigator's Name	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office(s)
Cammy R. Abernathy	University of Florida	FL	Study of GaN Device Surfaces via X-Ray/Ultraviolet Photoelectron Spectroscopy	ONR
Igor Adamovich	Ohio State University Research Foundation	OH	Diagnostics of Large-Volume, Repetitively Pulsed Fast Ionization Wave Plasmas	AFOSR
Douglas E. Adams	Purdue University	IN	Theoretical and Experimental Conditioning, Modeling	ARO
Ali Adibi	Georgia Institute of Technology	GA	An Etching Tool for Accurate Fabrication of Photonic Crystal Structures	AFOSR
Ilhan A. Aksay	Princeton University	NJ	Scanning Kelvin/Vibrating Probe to the Design/Processing of Electret Structures	ARO
James Allan	University of Massachusetts - Amherst	MA	Computing for Language and Multimedia Technologies	ONR
Moeness G. Amin	Villanova University	PA	Test and Measurement Instrumentation for Positioning and Wireless Technologies	ONR
Eric R. Bachman	Miami University	OH	Very Large Immersive Virtual Environment for Multiple Users	ARO
Amit Bandyopadhyay	Washington State University	WA	Development of Nanostructured Porous Materials	ONR
Paul R. Barford	University of Wisconsin - Madison	WI	Cyberforensics	ARO
Gregory Belenky	State University of New York - Stony Brook	NY	Fabrication of Advanced GaSb and InP-Based Optoelectronic Devices	AFOSR
Enrico Bellotti	Boston University	MA	Simulation Hardware for Imaging Devices and Materials	ONR
T. Berger	University of Southern California	CA	High-Performance Parallel Architecture Dynamic Synapse Neural Network System	ONR
Pratim Biswas	Washington University in St. Louis	MO	Integrated System for Elemental Analysis of Aerosols and Aqueous Solutions	AFOSR
Michael T. Bowers	University of California - Santa Barbara	CA	Ultrahigh-Resolution Ion Mobility Instrument	AFOSR
Donald W. Brenner	North Carolina State University	NC	Computing Cluster for Research of Many-Body Potentials in Materials Modeling	ARO
Timothy A. Brungart	Pennsylvania State University	PA	Laser Doppler Vibrometer for Surface Vibration Cross-Correlation Measurement	ONR
James E. Bryan	University of Missouri - Columbia	MO	Instrumentation for Study and Characterization of Spray Related Research	ONR
Mark A. Cappelli	Stanford University	CA	Turbulence and Erosion in Hall Discharge Plasma Accelerators	AFOSR
Bedri A. Cetiner	Morehead State University	KY	Characterization of Radio Frequency Micro-Electromechanical System Antennas	ARO
Sun-Ki Chai	University of Hawaii	HI	Computer-Mediated Study of Culture	ONR
Eric P. Chassignet	University of Miami - RSMAS	FL	A Storage Area Network for Ocean Prediction System Outputs	ONR
Aditi Chattopadhyay	Arizona State University	AZ	Pulse Echo Thermography for Damage Characterization and Structural Monitoring	AFOSR
Shaochen Chen	University of Texas - Austin	TX	High-Power Femtosecond Laser for Advanced Manufacturing	ONR
Keh-Yung Cheng	University of Illinois - Urbana/Champaign	IL	Hyperuniform Quantum Dot Arrays for Infrared/Ultrafast Optoelectronic Devices	ARO
Song K. Choi	University of Hawaii	HI	3-D Laser Velocimetry for Research on Undersea Vehicles	ONR
Kenneth T. Christensen	University of Illinois - Urbana/Champaign	IL	Instrumentation for Evaluation of Real Roughness Effects in Wall Turbulence	AFOSR
Ronald R. Coifman	Yale University	CT	Cluster Simulation Environment in Support of Integrated Sensing and Processing	AFOSR
Robert L. Constable	Cornell University	NY	Knowledge based Development of Reliable Software Systems	AFOSR
Donald C. Cox	Stanford University	CA	Radio Frequency Measurement and Simulation for Mobile Ad Hoc Networks	ARO
Charles A. Czeisler	Harvard University	MA	Circadian and Sleep/Wake Regulatory Determinants of Human Performance	AFOSR
Hai-Lung Dai	University of Pennsylvania	PA	Spectrometer for Characterizing Buried Interfaces in Colloids/Organic Thin Films	AFOSR
Steven Danyluk	Georgia Institute of Technology	GA	Testing of Friction and Wear Under Very High-Electromagnetic Stress	ONR
Irene S. Davis	University of Delaware	DE	The Use of an Instrumented Treadmill to Alter Locomotor Patterns	ARO
Jay B. Dean	Wright State University	OH	Hyperbaric Atomic Force Microscopy Studies of Oxygen Toxicity	ONR
Harry A. DeFerrari	University of Miami - RSMAS	FL	Low-Frequency Acoustic Sources for Research	ONR
Volkmar Dierolf	Lehigh University	PA	Microscope for High-Spatial Resolution Studies	ARO

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Investigator's Name	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office(s)
Trevor Douglas	Montana State University	MT	Instrumentation for Characterization of Nanomaterials and Biological Monitoring	ONR
Earl H. Dowell	Duke University	NC	Techniques for Modeling Non-linear Aeroelastic Behavior of Aerospace Vehicles	AFOSR
John M. Doyle	Harvard University	MA	Molecular Physics and Quantum Computing	ARO
Marija Drndic	University of Pennsylvania	PA	Luminescence Imaging of Nanocrystals within Optoelectronics Devices	ONR
Gerald D'Spain	University of California - San Diego	CA	Ocean Bottom/Subbottom Mapping for Object Search and Identification	ONR
James H. Duncan	University of Maryland - College Park	MD	Equipment for the Study of Implosion Phenomena	ONR
Martin L. Dunn	University of Colorado - Boulder	CO	High-Fidelity In-Situ Nanomechanical Characterization System	AFOSR
Earl P. N. Duque	Northern Arizona University	AZ	Hardware for Applied Computational Studies	ARO
Randolph S. Duran	University of Florida	FL	An Optical Trap Workstation for the Investigation of Vesicle Fusion Processes	AFOSR
J. Craig Dutton	University of Texas - Arlington	TX	Planar Velocity Measurements in Short-Duration Blowdown Wind Tunnels	ARO
Fokion N. Egolfopoulos	University of Southern California	CA	Development of an Integrated Advanced Combustion Diagnostics System	AFOSR
Daniel J. Ehrlich	Massachusetts Institute of Technology	MA	Deep Ultraviolet Laser Imaging for Biology	AFOSR
Hergen Eilers	Washington State University	WA	Nanophase Based Laser Ceramics	AFOSR
Aicha Elshabini	University of Arkansas	AR	Semiconductor Thin Films and Quantum Structures	ARO
Arthur J. Epstein	Ohio State University	OH	Study of Polymer and Molecule-Based Electronic and Magnetic Materials	ONR
William G. Fahrenholtz	University of Missouri - Rolla	MO	High-Temperature Mechanical Testing System	AFOSR
Donald R. Falkenburg	Wayne State University	MI	Heat Treat Capable Machine Tool	ARO
Michael D. Fayer	Stanford University	CA	Enhanced Vibrational Echo Correlation Spectrometer for Molecular Applications	AFOSR
Ron Fedkiw	Stanford University	CA	A Computing Cluster for Numerical Simulation	ONR
Martin M. Fejer	Stanford University	CA	Hydride Vapor Phase Epitaxy Reactor for Deposition of Gallium Arsenide Films	AFOSR
Ian T. Ferguson	Georgia Institute of Technology	GA	Integrated Magnetic and Magneto-optical Characterization System	ARO
Harindra Fernando	Arizona State University	AZ	Instrumentation for Remote Sensing of Urban Environments	ARO
Alison B. Flatau	University of Maryland - College Park	MD	Instrumentation for Galfenol Nanosensor for Underwater Application	ONR
Jose A. Fortes	University of Florida	FL	Web-Enabled Memory-Intensive Nano and Molecular Electronics Simulation	ARO
William L. Fourney	University of Maryland - College Park	MD	High-Speed Digital Video System	ONR
Hamish L. Fraser	Ohio State University	OH	Spherical Aberration Corrector for Electron Microscopy	AFOSR
Stephen J. Frasier	University of Massachusetts - Amherst	MA	Clear-Air Radar Sensing for Low-Altitude Wind and Dispersion Studies	ARO
David M. Fratantoni	Woods Hole Oceanographic Institution	MA	Instrumentation in Support of Autonomous Glider Operations	ONR
Alexander A. Fridman	Drexel University	PA	Reactive Radical Concentration Measurements in Plasmas and Flames	AFOSR
Jan Genzer	North Carolina State University	NC	Size Exclusion Chromatography System for Analysis of Functionalized Siloxanes	ONR
Nicholas George	University of Rochester	NY	Advanced Imaging Instrumentation	ARO
Robin Gerlach	Montana State University	MT	Environmental and Biofilm Mass Spectrometry	ARO
Wayne R. Geyer	Woods Hole Oceanographic Institution	MA	Design and Construction of a Mobile Array for Sensing Turbulence	ONR
David S. Ginger	University of Washington	WA	Instrumentation for Dip-Pen Nanolithography and Surface Characterization	AFOSR
Aniruddha Gokhale	Vanderbilt University	TN	Assuring Quality of Distributed Real-Time Embedded Software for Combat Systems	ONR
Deborah J. Goodings	University of Maryland - College Park	MD	Quasi-Static and Dynamic Stress Transducers	ARO
Philip Goodman	University of Nevada - Reno	NV	Robotic Platform for Security and Service Applications	ONR

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David I. Gottlieb	Brown University	RI	Novel Algorithms and Postprocessing for Large Scale Wave Problems	AFOSR
Michael C. Gregg	University of Washington	WA	Enhancement of the Shallow Water Integrated Mapping System	ONR
Stephen M. Gross	Creighton University	NE	Gel Permeation Chromatography System	ARO
Chunlei Guo	University of Rochester	NY	Instrumentation to Study Many-Body Concepts Within a Single Atom or Molecule	AFOSR
Mool C. Gupta	Old Dominion University	VA	Scanning Electron Microscope for Characterizing Nanoscale Materials	AFOSR
Carl E. Halford	University of Memphis	TN	Infrared Imagery Field Collection Equipment and Perception Studies	ONR, ARO
David L. Hall	Pennsylvania State University	PA	Visualization Environment to Support Intelligence Analysis/Situation Assessment	AFOSR
Ronald K. Hanson	Stanford University	CA	Advanced Propulsion Systems Sensing and Combustion Kinetics Research	ARO, AFOSR
Lene V. Hau	Harvard University	MA	Instrumentation for Creation and Diagnostics of an Intense Cold Atom Beam	AFOSR
Tomasz Haupt	Mississippi State University	MS	High-Performance Visualization	ONR
Craig J. Hawker	University of California - Santa Barbara	CA	Synthetic Methods for Advanced Materials via Gel Permeation Chromatograph	ARO
Anthony J. Healey	Naval Postgraduate School	CA	Command and Control Initiatives with Cooperating Unmanned Vehicles	ONR
J. Karl Hedrick	University of California - Berkeley	CA	A Testbed for Collaborative Operations of Multiple Autonomous Air Vehicles	ONR
Frank S. Henyey	University of Washington	WA	Towed Conductivity-Temperature-Depth Chain for Coastal Wave Measurements	ONR
George F. Hepner	University of Utah	UT	Integrated Field Based Systems for Fusion of Hyperspectral/Interferometric Radar	AFOSR
William S. Hodgkiss	University of California - San Diego	CA	Autonomous Broadband Receiver Arrays	ONR
Keith L. Hohn	Kansas State University	KS	Instrumentation for Characterization of Partial Oxidation Catalysts	ARO
Y. Thomas Hou	Virginia Polytechnic Institute and State University	VA	Wireless Ad Hoc and Sensor Network Platform for Tactical Communications	ONR
Chad E. Immoos	California Polytechnic State University	CA	Metallic Polymers as Reactive Coatings for Chemical Warfare Agent Degradation	ARO
Anthony R. Ingraffea	Cornell University	NY	Cluster Computing for Simulation of Material and Structural Damage Evolution	AFOSR
Reed M. Izatt	Brigham Young University	UT	Dual Cylinder Digitally Controlled Chandler/Ruska Positive Displacement Pump	ARO
Stephen D. Jacobs	University of Rochester	NY	Particle Size/Particle Charge Instrument for Magnetorheological Finishing Slurries	ARO
Stuart M. Jefferies	Maui Scientific Research Center	HI	Advanced Space Surveillance Simulator	AFOSR
Debdeep Jena	University of Notre Dame	IN	X-Ray Diffractometer for Nanoscale Material Characterization	ARO
Hongxing Jiang	Kansas State University	KS	Instrumentation for Growth of Rare Earth Doped III-Nitrides	ARO
Stephen A. Johnston	University of Texas Southwestern Medical Center - Dallas	TX	Surface Plasmon Resonance Instrument for Biosignatures	ARO
Haffidi H. Jonsson	Naval Postgraduate School	CA	Radiometer Calibration System	ONR
Franz Kaertner	Massachusetts Institute of Technology	MA	Few-Cycle Optical Parametric Chirped Pulse Amplification	AFOSR
Moshe Kam	Drexel University	PA	Instrumentation for Simulation and Design of Distributed Control Plants	ONR
Carl T. Kelley	North Carolina State University	NC	System to Examine Clocked Molecular Quantum-Dot Cellular Automata	ARO
Wolfgang Ketterle	Massachusetts Institute of Technology	MA	Studies of Quantum-Degenerate Fermions	ONR
Paul M. Kintner	Cornell University	NY	Development of GPS Receivers to Investigate Ionospheric Effects on GPS	ONR
Joseph C. Klewicki	University of Utah	UT	Laser Doppler Velocimetry for the Study of Turbulent Boundary Layer Dynamics	ONR
Olga A.. Kocharovskaya	Texas A&M University	TX	Instrumentation for Laser Manipulation of Nuclear Transitions	AFOSR
Eric T. Kool	Stanford University	CA	Fluorescence Lifetimes Instrument	ARO
Steve W. J. Kozlowski	Michigan State University	MI	Dynamic Resource Allocation and Adaptability in Team Work	AFOSR
Sanjay Krishna	University of New Mexico	NM	Infrared Test Bed for Focal Plane Array Characterization	AFOSR

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Jeffrey R. Kuhn	University of Hawaii	HI	Optical and Infrared Instrument Development	AFOSR
Daniel Kujawski	Western Michigan University	MI	Mega-Cycle Fatigue System Enhancing Research on Load Interaction Effects	ONR
Andrew C. Kummel	University of California - San Diego	CA	Molecular Beam Epitaxial System for Multidimensional Chemical Sensors	AFOSR
Andrew J. Kurdila	University of Florida	FL	Prototyping, Characterization and Simulation for Small Autonomous Vehicles	AFOSR
James R. Lackner	Brandeis University	MA	Spatial Disorientation Research	AFOSR
Michael I. Latz	University of California - San Diego	CA	A Low-Light Photon-Calibrated High-Resolution Digital Camera Imaging System	ONR
Craig M. Lee	University of Washington	WA	Autonomous Seaglidors for 3-D Mesoscale and Submesoscale Studies	ONR
Michel M. Lesoinne	University of Colorado - Boulder	CO	High-Performance Computing for Research in Complex Aerospace Systems	AFOSR
Frank L. Lewis	University of Texas - Arlington	TX	Wireless Sensor Network Development for Security and Biochemical Monitoring	ARO
X. Rong Li	University of New Orleans	LA	Integrated Sensing and Data Fusion for Ground Target Surveillance	ARO
James A. Liburdy	Oregon State University	OR	3-D Stereoscopic Time Resolved Flow Measurements	AFOSR
Tianwei Lin	The Scripps Research Institute	CA	Capability Improvement for the Research on a Viral Nanoblock	ONR
Dahsin Liu	Michigan State University	MI	Instrumentation for Materials Processing, Testing and Modeling	ARO
David R. Liu	Harvard University	MA	The Role of Mass Spectrometry in DNA-Templated Synthesis	ONR
James F. Lynch	Woods Hole Oceanographic Institution	MA	Instrumentation for Low/Medium-Frequency and Shallow Water Ocean Acoustics Studies	ONR
Stephen A. Lyon	Princeton University	NJ	Equipment for Low-Temperature Electron Spin Measurements on Liquid Helium	ARO
James H. MacMahan	University of Delaware	DE	Autonomous Littoral Crawler System	ONR
Pino M. Martin	Princeton University	NJ	Compressible Turbulent Flows	AFOSR
Manuel Martinez-Sanchez	Massachusetts Institute of Technology	MA	Instrumentation for Micro-Propulsion Research	AFOSR
Gregory B. McKenna	Texas Tech University	TX	Atomic Force Microscope for Nanomechanical Measurement	ARO
Margaret Anne McManus	University of Hawaii	HI	Spatial Analysis and 3-D Structure of Thin Layers	ONR
Dimitris N. Metaxas	Rutgers University	NJ	Face and Gait-Based Deception Analysis: Visible and Infrared Light Analysis	AFOSR
Mohamad Metghalchi	Northeastern University	MA	Planar Laser Induced Florescence (PLIF)	ARO
Michael M. Micci	Pennsylvania State University	PA	Supercritical Hydrocarbon Impinging Injector Simulation	AFOSR
Hadis Morkoc	Virginia Commonwealth University	VA	Nearfield Spectroscopic Optical Microscope	AFOSR
John R. Morris	Virginia Polytechnic Institute and State University	VA	Analysis of Nanostructured Materials Used in Chemical Decomposition Studies	ARO
Scott C. Morris	University of Notre Dame	IN	Scanning Laser Vibrometer for Fluid-Structure Interactions and Acoustics	ONR
Issam Mudawar	Purdue University	IN	High-Flux Micro-Channel Refrigeration Cooling of Defense Electronics	ONR
Keith A. Nelson	Massachusetts Institute of Technology	MA	Equipment for Energetic Materials Research	ONR
Brentley S. Olive	University of North Alabama - Florence	AL	Monostatic and Passive Fourier Infrared Remote Sensors	ARO
Chris J. Palmstrom	University of Minnesota	MN	Instrumentation for Growth of Epitaxial Multifunctional Metal Oxide Materials	ONR
Michelle L. Pantoya	Texas Tech University	TX	Infrared Diagnostics for Mesoscale Analyses of Munitions	ARO
Ioannis Papapolymerou	Georgia Institute of Technology	GA	Development of Micro-Machined Traveling Wave Tubes/Backward Wave Oscillators	ARO
Robert G. Parker	Ohio State University	OH	Study of Vibration and Planetary Gears in Rotorcrafts	ARO
Carl E. Patton	Colorado State University	CO	Instrumentation for Microwave Measurements on Ferrite Materials	ONR
Mary Jane Perry	University of Maine	ME	Underwater Gliders for Autonomous Sampling	ONR
Branko N. Popov	University of South Carolina	SC	X-Ray Fluorescence Spectrometer and Mini Plating Equipment	ONR

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Investigator's Name	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office(s)
James C. Preisig	Woods Hole Oceanographic Institution	MA	Instrument for Low and Medium-Frequency Ocean Acoustics	ONR
Robert Qiu	Tennessee Technological University	TN	Transceiver Testbed for Communications and Ranging	ARO
Jorge A. Ramirez	Colorado State University	CO	Instrumentation for Hydrologic Research	ARO
Stephen C. Rand	University of Michigan	MI	Quantum Interface Spectroscopy of Laser Ceramics	AFOSR
Krishnaswamy Ravi-Chandar	University of Texas - Austin	TX	Characterization of Dynamic Failure in Composites	ARO
Chittaranjan Ray	University of Hawaii	HI	Enhanced Corrosion Studies in Tropical Soils	ARO
Asok Ray	Pennsylvania State University	PA	Instrumentation for Complex Systems Failure	ARO
Manijeh Razeghi	Northwestern University	IL	Vacuum Fourier Transform Infrared Spectrometer	AFOSR
Aleksander Rebane	Montana State University - Bozeman	MT	Ultrafast Studies of Novel Functionalized Organic Multiphoton Absorbers	AFOSR
Geraldine L. Richmond	University of Oregon	OR	Research on In-Situ Studies of Tribology at Buried Interfaces	ONR
Gerhard X. Ritter	University of Florida	FL	Instrumentation for Automatic Target Recognition and Image/Signal Processing	AFOSR
John C. Rodgers	University of Maryland - College Park	MD	Investigation of Nonlinear and Chaotic Effects in Micro-Electronics	AFOSR
Eunice E. Santos	Virginia Polytechnic Institute and State University	VA	Hierarchical Clusters for Computational Mathematics	ARO
William S. Saric	Texas Engineering Experiment Station	TX	Acquisition of the Saric/Klebanoff Low-Turbulence Unsteady Wind Tunnel Equipment	AFOSR
S. Shankar Sastry	University of California - Berkeley	CA	Networks and Operations for Unmanned Underwater and Aerial Vehicles	ARO, ONR
John A. Scales	Colorado School of Mines	CO	Non-Contacting Characterization of the Earth's Surface	ARO
Kent Scarbrough	University of Texas - Austin	TX	Wideband, Low-Frequency Underwater Acoustic Source	ONR
Peter Schiffer	Pennsylvania State University	PA	Magnetometer for Studies of Geometrically Frustrated Magnetic Nanostructures	ARO
Karl H. Schoenbach	Old Dominion University	VA	Scanning Disk Confocal System	AFOSR
Christopher A. Schuh	Massachusetts Institute of Technology	MA	Apparatus for Nanoindentation at Non-Ambient Temperatures	ARO
Selim M. Shahriar	Northwestern University	IL	Instrumentation for Ultrafast Target Recognition	AFOSR
Ali Shakouri	University of California - Santa Cruz	CA	Thin-Film Thermoelectric/Thermionic Devices	ONR
Vladimir M. Shalaev	Purdue University	IN	Spectral Properties of Negative-Index Materials in Optics	ARO
Shihab A. Shamma	University of Maryland - College Park	MD	Multielectrode System for Tracking Adaptive Neural Processing in Auditory Cortex	AFOSR
Wei-Min Shen	University of Southern California	CA	Self-Reconfigurable Modules for Self-Healing Systems	ARO
Yuri Shkel	University of Wisconsin - Madison	WI	Instrumentation for Multi-Functional Materials	AFOSR
Peter O. Shull, Jr.	Oklahoma State University	OK	Telescope for Space Science Research and Education	AFOSR
Marek Skowronski	Carnegie Mellon University	PA	Lifetime Measurements in Silicon Carbide Epitaxial Films and Crystals	ONR
Arthur R. Smith	Ohio University	OH	Instrumentation for In-Situ Spin-Polarized Scanning Tunneling Microscopy	ONR
Pavel Solin	University of Texas - El Paso	TX	High-Performance Computing	ONR
Jonathan E. Spanier	Drexel University	PA	Electron-Beam-Nanolithography	ARO
Gopalan Srinivasan	Oakland University	MI	Vector Network Analyzer for Research on Passive Signal Processing Devices	ARO
Donald S. Stone	University of Wisconsin - Madison	WI	Nanoindentation Studies of Temperature-Dependent Mechanical Properties	AFOSR
Jeffrey A. Stuart	Syracuse University	NY	Examination of Photoactive Proteins for Defense-Relevant Device Applications	ARO
Jing Sun	University of Michigan	MI	Real-Time Hardware-in-the-Loop Simulation of Shipboard Power Systems	ONR
Clifford M. Surko	University of California - San Diego	CA	Analysis of Clusters and Nanoparticles Using Positron Scattering and Annihilation	ARO
Janos Sztipanovits	Vanderbilt University	TN	Perch and Move Mobile Geolocation System	AFOSR

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Peter Taborek	University of California - Irvine	CA	High-Speed Video Imaging for Tribological Studies in Extreme Environments	AFOSR
Dajun Tang	University of Washington	WA	Sediment Acoustic-Speed Measurement System	ONR
John E. Thomas	Duke University	NC	Strongly-Interacting Fermi Gases in Optical Lattice Traps	ARO
Claire J. Tomlin	Stanford University	CA	Testbed of Autonomous Rotorcraft for Multi-Agent Control	ONR
Hsian-Rong Tseng	University of California - Los Angeles	CA	Conducting Polymer Nanowires and Biointerfaces	ARO
Frank Tsui	University of North Carolina	NC	Instrumentation for Synthesis of Magnetic Epitaxial Films and Heterostructures	ARO
Ufuk M. Tureli	Stevens Institute of Technology	NJ	Distributed Radio Frequency Access and Networking Testbed	AFOSR
Scott J. Tyo	University of New Mexico	NM	Infrared Imaging Polarimeter Testbed	AFOSR
Ryan J. Umstattd	Naval Postgraduate School	CA	Carbon Nanotube Furnace for Advanced Electron Emitter Research	AFOSR
Daniel W. van der Weide	University of Wisconsin - Madison	WI	Metal-Organic Chemical Vapor Deposition Crystal Growth System	ONR
Robert J. Vidmar	University of Nevada - Reno	NV	Real-Time Mass Spectrometry for Air-Plasma Research	AFOSR
Gregory A. Voth	University of Utah	UT	Molecular Dynamics Simulations of Proton Solvation and Transport in Fuel Cells	ARO
Norman J. Wagner	University of Delaware	DE	Shear Thickening Fluid Based Composite Characterization and Modeling	ARO
Amy V. Walker	Washington University in St. Louis	MO	Infrared Spectrometry System for the Study of Thin Organic Films	ARO
Eugenia Wang	University of Louisville	KY	Proteomic Profiling of Host-Resistance to Biowarfare Pathogens' Infection	ARO
Qian Wang	University of South Carolina	SC	Instrumentation for Bionanoparticles-Based Chemistry and Materials Development	ARO
Peter M. Weber	Brown University	RI	Instrumentation for Shape-Sensitive Mass Spectrometry	ARO
Mark L. Wells	University of Maine	ME	Instrumentation for Measuring the Optical Backscatter of Marine Colloidal Matter	ONR
Norman M. Wereley	University of Maryland - College Park	MD	Actuators for Micro-Hovering Air Vehicles and Helicopters	ARO
Charles H. Williamson	Cornell University	NY	Particle Image Velocimetry System for Fluid Dynamics Research	ONR
Frank A. Witzmann	Indiana University School of Medicine	IN	Sample Complexity Reduction and Improved Proteomic Analysis	AFOSR
Mary J. Wornat	Louisiana State University and A&M College	LA	Instrumentation for Analysis of Supercritical Fuels Pyrolysis Products	AFOSR
Judy Wu	University of Kansas	KS	Low-Temperature Dual/Multi-Channel Scanning Probe Microscopy System	AFOSR
Jory A. Yarmoff	University of California - Riverside	CA	Low-Energy Ion Scattering of the Electronic States of Adatoms and Nanocrystals	ARO
S. J. Ben Yoo	University of California - Davis	CA	Nanofabrication for Optoelectronics	ARO
Paul K. L. Yu	University of California - San Diego	CA	Metal Organic Chemical Vapor Deposition for the Study of Optical Target Tracking	ARO
Tongguang Zhai	University of Kentucky	KY	Instrumentation for Texture, Formability and Fatigue Studies of Advanced Materials	AFOSR

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