

FY01 DURINT Equipment

Institution	State	Investigator	Title of Equipment Proposal	Agency
Arizona State University	AZ	David K. Ferry	Electron-Beam Lithographic Equipment	Navy
Harvard University	MA	George Whitesides	Scanning Probe Microscope for Microstructure Analysis	DARPA/ Navy
Kansas State University	KS	HongXing Jiang	III-Nitride Micro- and Nano-Structures and Devices - Growth, Fabrication, and Characterization	Navy
Lehigh University	PA	Martin P. Harmer	A Focused-Ion Beam (FIB) Nano-Fabrication and Characterization Facility	Navy
Massachusetts Institute of Technology	MA	Subra Suresh	A Comprehensive Experimental Facility for Nano- and Meso-Scale Mechanical Behavior of Nano-Structured Materials and Coatings	Navy
Massachusetts Institute of Technology	MA	Terry Orlando	Very Low Temperature Measurement System for Quantum Computation with Superconductors	Air Force
Pennsylvania State University	PA	A. Welford Castleman	Photoelectron Spectrometer and Cluster Source for the Production and Analysis of Cluster Assembled Nanoscale Materials	Air Force
Rice University	TX	Richard E. Smalley	Magnetic/RF Field Assisted Spinning of Carbon Single Walled Nanotube Fibers	Navy
Stevens Institute of Technology	NJ	Hong-Liang Cui	The Science and Technology of Computational Nano/Molecular Electronics - Equipment Proposal	Army
University of California at Santa Barbara	CA	Horia Metiu	Catalysis by Nanostructure: Methane, Ethylene Oxide, and Propylene Oxide Synthesis on Ag, Cu, or Au Nanoclusters	Air Force
Univ. of Illinois at Urbana Champaign	IL	Dana D. Dlott	Ultrafast Vibrational Spectrometer for Engineered Nanometric Energetic Materials	Army
University of Arizona	AZ	Hyatt M. Gibbs	Nanotechnology Instrumentation	Air Force
University of Colorado	CO	Josef Michl	Equipment for Molecular Rotors	Army
University of Michigan	MI	Stella Pang	Science and Technology of Nanostructures for Advanced Devices	DARPA/ Navy
University of Texas	TX	Brian A. Korgel	Acquisition of an Electron Beam Lithography System for the Study of Nanostructures Formed using Bioinspired Self-Assembly Processes	Army
University of Virginia	VA	James Fitz-Gerald	Acquisition of a High-Resolution Field Emission Electron Microscope for Nanoscale Materials Research and Development	Air Force
Western Kentucky University	KY	Wei-Ping Pan	Acquisition of an x-Ray Diffractometer for Nanotechnology Research	Air Force