

FY2001 MURI Winners

Investigator	Prime Institution	State	MURI Topic	Agency	MURI Team
Pallab K. Bhattacharya	University of Michigan	MI	Fundamental Issues Underlying Infrared Detection	Army	Harvard, U. Illinois, Arizona State U., UCLA
Shun L. Chuang	Univ. of Illinois at Urbana-Champaign	IL	Fundamental Issues Underlying Infrared Detection	Army	Columbia U., U. Texas at Austin
Klavs F. Jensen	Massachusetts Institute of Technology	MA	Microchemical Systems	Army	
Richard I. Masel	Univ. of Illinois at Urbana-Champaign	IL	Microchemical Systems	Army	Cornell U., U. Delaware, Colorado State U.
Robert A. Scholtz	Univ. of Southern California	CA	Ultra-Wideband (UWB) Communications	Army	UC Berkeley, U. Massachusetts at Amherst
Thomas W. Crowe	University of Virginia	VA	Biological and Chemical Sensing Science at Terahertz Frequency	Army	U. Michigan, U. Tennessee, UCLA, Stevens Inst. Of Tech.
Asok Ray	Pennsylvania State University	PA	Mathematics of Failures in Complex Systems	Army	CMU, Duke U., Louisiana State U.
Michael B. Steer	North Carolina State University	NC	New Adaptive, Reconfigurable RF Radio/Sensor Concepts	Army	UCLA, UCSB, UCSD, U. Michigan
Peter A. Hancock	Univ. of Central Florida	FL	Optimizing Cognitive Readiness Under Combat Conditions	Army	
John B. Baillieul	Boston University	MA	Integrated Control and Communication for Networked Systems	Army	Boston U., Harvard U., U. Illinois at Urbana, U. Maryland
Christopher J. Summers	Georgia Institute of Technology	GA	Intelligent Luminescence for Communication, Display, and Identification	Army	CUNY, Kansas State U., U. Kansas, U. Notre Dame, Columbia U., Hunter College, Lehigh U.
Herschel Rabitz	Princeton University	NJ	Learning-Based Control for Multi-Parameter Sensors	Army	Wayne State U.
Kaushik Bhattacharya	California Institute of Technology	CA	Computationally Engineered Microstructural Complexity	Army	
Bruce S. Dunn	Univ. of California at Los Angeles	CA	3-D Nanoarchitectures for Future Electrochemical Power Sources	Navy	U. Florida, U. Utah
Kenneth R. Poppelmeier	Northwestern University	IL	3-D Nanoarchitectures for Future Electrochemical Power Sources	Navy	U. Minnesota
Marcel A. Just	Carnegie Mellon University	PA	Automated Skills in Cognitive Readiness	Navy	U. Pittsburgh
John R. Schott	Rochester Institute of Technology	NY	Physical Modeling for Processing of Hyperspectral Data	Navy	UC Irvine, Cornell U.
Allen Huang	University of Wisconsin at Madison	WI	Physical Modeling for Processing of Hyperspectral Data	Navy	U. Hawaii
Christopher Diorio	University of Washington	WA	Implantable Microelectronics	Navy	UC Berkeley, U. Arizona

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Umesh K. Mishra	University of California at Santa Barbara	CA	Ultra Low Phase Noise Solid State Electronics	Navy	Caltech, U. Michigan, Yale U., Wright State U., Ohio State U.
Robert C. O'Handley	Massachusetts Institute of Technology	MA	Hybrid Smart Materials and Adaptive Structures	Navy	UCLA, UCSD, MIT, Iowa State U., Arizona State U.
Manfred Wuttig	University of Maryland	MD	Hybrid Smart Materials and Adaptive Structures	Navy	U. Minnesota, U. Rhode Island, Cal. State U. at Northridge
Stephen Grossberg	Boston University	MA	Intelligent Biomimetic Image Processing/Classification Systems	Navy	Johns Hopkins U.
Leif H. Finkel	University of Pennsylvania	PA	Intelligent Biomimetic Image Processing/Classification Systems	Navy	Columbia U., MIT
Zlatko Sitar	North Carolina State University	NC	III-Nitride Crystal Growth and Wafering	Navy	Clemson U., SUNY at Stony Brook, Arizona State U.
Yogenda Gupta	Washington State University	WA	Mechanisms Responsible for the Initiation/Detonation of Energetic Materials	Navy	MIT, Michigan Tech U.
Adrian Raftery	University of Washington	WA	Integration and Visualization of Multi-source Information	Navy	
Piergiorgio L. Uslenghi	University of Illinois at Chicago	IL	The Effects of Radiofrequency Pulses on Electronic Circuits and Systems	Air Force	Clemson U., U. Houston, U. Michigan, U. Illinois
Victor L. Granatstein	University of Maryland	MD	The Effects of Radiofrequency Pulses on Electronic Circuits and Systems	Air Force	Boise State U.
David C. Larbalestier	University of Wisconsin	WI	High Temperature Superconductors (HTS) for Power Systems	Air Force	Stanford U., U. Kansas, U. Illinois
Steven J. Sibener	University of Chicago	IL	Materials Degradation/ Passivation in the Space Environment	Air Force	Montana State U., Northwestern U., U. Notre Dame, Pennsylvania State U., Yale U.
Judith Yang	University of Pittsburgh	PA	Materials Degradation/ Passivation in the Space Environment	Air Force	CMU, U. Illinois, NCSU
Larry R. Dalton	University of Washington	WA	Polymeric Smart Skin Materials	Air Force	UC Berkeley, UCSB, Rice U., USC
Martin M. Fejer	Stanford University	CA	Chalcopyrite Semiconductor Material Development	Air Force	Northwestern U., West Virginia U., Michigan Tech. U.
Shelton R. Taylor	University of Virginia	VA	Multi-Functional Nano-Engineered Coatings	Air Force	Ohio State U., U. Cincinnati, Arizona State U., U. New Mexico
Edward L. Cussler	University of Minnesota	MN	Multi-Functional Nano-Engineered Coatings	Air Force	North Dakota State U., U. Missouri at KC, U. Dayton
George H. Fisher	University of California at Berkeley	CA	Space Weather Effects in DoD Operations	Air Force	Drexel U., Montana State U., Stanford U., UCSD, U. Colorado, U. Hawaii, U. New Hampshire
Tamas I. Gombosi	University of Michigan	MI	Space Weather Effects in DoD Operations	Air Force	
Edl Schamiloglu	University of New Mexico	NM	Compact, Portable Pulse-Power	Air Force	Old Dominion U., U. Nevada-Reno

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Martin A. Gundersen	University of Southern California	CA	Compact, Portable Pulse-Power	Air Force	U. Missouri, Texas Tech U.
Jeff Shamma	University of California at Los Angeles	CA	Cooperative Control in Dynamic, Uncertain, Adversarial Environment	Air Force	Caltech, Cornell U., MIT
Malcolm Potts	Virginia Polytechnic Institute and State University	VA	Biomimetic Cell and Tissue Stasis	DARPA/ Navy	Louisiana State U.
Xiang Zhang	University of California at Los Angeles	CA	Electromagnetic Metamaterials	DARPA/ Navy	MIT, UCSD
John T. Yates	University of Pittsburgh	PA	Photocatalytically Active Nanoscale Scavengers and Sensors (PANSS)	DAPRA/ Army	Texas A&M U., Kansas State U.
Jitendra Malik	University of California at Berkeley	CA	Human Activity Recognition From a Network of Vision Sensors	DARPA/ Navy	Caltech, Stanford U., USC
Shashi Phoha	Pennsylvania State University	PA	Automated Self-Configuring Surveillance Networks	DARPA/ Army	Duke U., Louisiana State U., Cornell U., U. Wisconsin
David Yarowsky	Johns Hopkins University	MD	Statistical Machine Translation	DARPA/ Navy	U. Maryland
Lui Sha	University of Illinois at Urbana-Champaign	IL	Quality of Service Technologies for Distributed Systems	DARPA/ Navy	CMU, U. Virginia, Ohio State U.