

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 1 of 8

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office
Abu-Ghazaleh, Nael	University of California, Riverside	CA	High-performance heterogeneous computing	AFOSR
Agarwal, Nitin	University of Arkansas, Little Rock	AR	High-density computations for monitoring cyber warfare tactics	ONR
Aggarwal, Ishwar	University of North Carolina, Charlotte	NC	Laser damage-threshold tester	ONR
Ahmed, Irfan	University of New Orleans	LA	Supervisory control and data acquisition testbed	ARO
Alford, Matthew	University Of California, San Diego	CA	Modular telemetering microstructure system	ONR
Amezcuca-Correa, Rodrigo	University of Central Florida	FL	High-resolution imaging and material composition analysis	ARO
Andres, Magdalena	Woods Hole Oceanographic Institution	MA	Inverted echo sounders	ONR
Aranchuk, Vyacheslav	University of Mississippi	MS	Pulsed laser shearography	ONR
Armani, Andrea	University of Southern California	CA	Inverted fluorescent microscope	ONR
Bachmann, Charles	Rochester Institute of Technology	NY	Hyperspectral video system	AFOSR
Badiey, Mohsen	University Of Delaware	DE	Instrumentation for arctic shelf and slope acoustical oceanography	ONR
Baktur, Reyhan	Utah State University	UT	Inkjet printed conformal and synthetic spider silk antennas	ONR
Ballard, Megan	University of Texas, Austin	TX	Corer head system for in-situ compressional and shear wave measurements	ONR
Bardin, Joseph	University of Massachusetts, Amherst	MA	Broadband characterization test-set for low-temperature integrated circuits	ONR
Basov, Dimitri	University of California, San Diego	CA	Terahertz pump-probe nano-spectroscopy and nano-imaging	ARO
Bathe, Mark	Massachusetts Institute of Technology	MA	High-performance computing for nucleic acid nanotechnology	ONR
Bazan, Guillermo	University of California, Santa Barbara	CA	Femtosecond laser system for materials characterization	ARO
Bedard, Alfred	University of Colorado, Boulder	CO	Array for acoustic tomography of the atmosphere	ARO
Bellaiche, Laurent	University of Arkansas, Fayetteville	AR	Computer cluster for research on complex ferroelectrics	ONR
Benedict, Moble	Texas A&M University	TX	Measurement of novel hover-capable meso-scale aerial platforms	ARO
Biswas, Saroj	Temple University	PA	Hardware-in-the-loop power distribution testbed for control and security	ONR
Bobda, Christophe	University of Arkansas, Fayetteville	AR	Heterogeneous cloud-computing architecture for networking research	ONR
Braunschweig, Adam	University of Miami	FL	Polarized optical microscope and scanning tunneling microscope	ARO
Bruno, Oscar	California Institute of Technology	CA	High-performance computational physics: an enabling parallel hardware infrastructure	AFOSR
Burke, Peter	University of California, Irvine	CA	Scanning microwave and millimeter-wave microscope	ARO
Butler, Kevin	University of Florida	FL	Cyber-physical systems	ARO
Capasso, Federico	Harvard University	MA	High spatial and spectral resolution optical imaging	AFOSR
Cappelli, Mark	Leland Stanford Junior University	CA	Terahertz-source for high-density plasmas and plasma photonic crystals	AFOSR
Carley, Kathleen	Carnegie Mellon University	PA	High-power computational analytics for media assessment	ONR
Chakrabarty, Ayan	University of Michigan	MI	Coherent control of magneto-electric energy conversion	AFOSR

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 2 of 8

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Chang, Zenghu	University of Central Florida	FL	High energy attosecond source	ARO
Chattopadhyay, Aditi	Arizona State University	AZ	Fatigue damage quantification and life prediction in ultra-high-cycle regime	ONR
Checkelsky, Joseph	Massachusetts Institute of Technology	MA	Ultracold field gradient magnetometry and transport	ARO
Chin, Cheng	University of Chicago	IL	Ultracold quantum matter synthesizer	ARO
Choi, Yoonsu	The University of Texas, Pan American	TX	High-density electrophysiological data analysis system	ARO
Christensen, Kenneth	University of Notre Dame	IN	Time-resolved velocimetry	AFOSR
Christenson, Richard	University of Connecticut	CT	Six-degree-of-freedom shake table and instrumentation	ONR
Christopher, Phillip	University of California, Riverside	CA	Quantitative analysis of heterogeneous surfaces interacting with photons	ARO
Chun, Mark	University of Hawaii	HI	Wide-field near-infrared camera for high-precision astrometry	ONR
Clemens, Noel	University of Texas, Austin	TX	Pulse-burst laser system	AFOSR
Clifton, Rodney	Brown University	RI	Streak camera for monitoring dynamic damage and failure	ONR
Colonus, Tim	California Institute of Technology	CA	Real-time flow estimation and control	AFOSR
Conner, Brett	Youngstown State University	OH	Laser deposition system for fabricating impact-resistant bulk graded materials	ONR
Cowan, Richard	Georgia Institute of Technology	GA	Electrothermomechanical testing of materials under cyclic loading	ONR
Cox, Brandon	Southern Illinois University	IL	Confocal microscope for the investigation of hearing loss, otoprotection, and tinnitus	ONR
Crosby, Alfred	University of Massachusetts, Amherst	MA	High-speed characterization of multifunctional, hierarchical structures	ARO
Cutler, Andrew	George Washington University	DC	Dye laser, crystals, and camera system	AFOSR
Czeisler, Charles	Harvard University	MA	Ambulatory monitoring and biospecimen storage	ONR
Das, Suman	Georgia Institute of Technology	GA	System for additive manufacturing of gas turbine engine hot-section components	ONR
Davulcu, Hasan	Arizona State University	AZ	Big data server for social media analytics	ONR
de Wekker, Stephan	University of Virginia	VA	Light Detection and Ranging (LIDAR) system for atmospheric boundary layer measurements	ONR
Deng, Hui	University of Michigan	MI	Ultrafast electrical and optical excitation system	AFOSR
Devaraj, Neal	University of California, San Diego	CA	Observing and controlling dynamics in artificial cells	ARO
Dhanak, Manhar	Florida Atlantic University	FL	Instrumentation in support of at-sea research-related education activities	ONR
Djordjevic, Ivan	University of Arizona	AZ	Hybrid communications and networks	ARO
Drew, Trafton	University of Utah	UT	Augmenting threat detection through online eye-tracking feedback	ARO
Duda, Timothy	Woods Hole Oceanographic Institution	MA	High-performance computing assets for ocean acoustics research	ONR
Eden, James	University of Illinois, Urbana-Champaign	IL	Electronic warfare resistant antenna using plasmas	ONR
Eden, Timothy	Pennsylvania State University	PA	Multifunctional thermal spray-based additive manufacturing system	ONR
Elabd, Yossef	Texas A&M University	TX	Small-angle X-ray scattering	ARO

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 3 of 8

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Engle, Randall	Georgia Institute of Technology	GA	The physiological underpinnings of working memory capacity	ONR
Fainman, Shaya	University of California, San Diego	CA	Tip-enhanced Raman spectroscopy	ONR
Feddersen, Falk	University Of California, San Diego	CA	Inner-shelf exchange sampling array	ONR
Fellous, Jean-Marc	University of Arizona	AZ	A wireless neural recording system	ONR
Fernando, Harindra	University of Notre Dame	IN	Triple Light Detection and Ranging (LIDAR) automated remote sensor for wind measurement	ONR
Fiddy, Michael	University of North Carolina, Charlotte	NC	Three-dimensional nanostructure design and fabrication	ARO
Fischella, David	Woods Hole Oceanographic Institution	MA	Sonar transceivers	ONR
Freitag, Lee	Woods Hole Oceanographic Institution	MA	Wave glider for arctic ocean observations	ONR
Gallant, Jack	University of California, Berkeley	CA	Top-down and bottom-up visual mechanisms at multiple spatial and temporal scales	ONR
Gaussiran, Thomas	University of Texas, Austin	TX	Vertical-incidence pulsed ionospheric radar dynasonde	AFOSR
Gong, Xun	University of Central Florida	FL	Characterization of microwave components and antennas	ONR
Green, Matthew	Arizona State University	AZ	Catalyze innovation in materials design	ARO
Greer, Julia	California Institute of Technology	CA	In-situ nano-mechanical experiments on organic samples	ARO
Gruev, Victor	Washington University	MO	Bio-inspired low-noise spectral-polarization imaging system	AFOSR
Guduru, Pradeep	Brown University	RI	Real-time monitoring of energetic materials under impact loading	AFOSR
Haiges, Ralf	University of Southern California	CA	A Raman spectrometer for the characterization of high-energy-density materials	ONR
Halas, Nancy	William Marsh Rice University	TX	Two-photon and time-resolved photoemission platform	AFOSR
Hale, John	University of Tulsa	OK	Cyber-physical system security analytics	ARO
Han, Ming	University of Nebraska, Lincoln	NE	Femtosecond laser system for fiber-optic sensor fabrication	ONR
Harris, Thomas	Northwestern University	IL	Ultraviolet-visible-near infrared spectrophotometer	ARO
Haselkorn, Michael	Rochester Institute of Technology	NY	Cold spray for research on asset life extension and fuel efficiency	ONR
Hashemi, Hossein	University of Southern California	CA	Wideband high-dynamic arbitrary signal generator	ONR
Haverhals, Luke	Bradley University	IL	Characterizing microstructures in ionic liquid-electrode interfaces	ARO
Herbst, John	University of Texas, Austin	TX	Transient direct-current bus support and reconfiguration system	ONR
Hong, Dennis	University of California, Los Angeles	CA	Advanced machining and manufacturing robotics	ONR
Horn, Joseph	Pennsylvania State University	PA	Flight simulation for research on sea-based operations of rotorcraft	ONR
Hostler, David	State University of New York, Buffalo	NY	Hyperbaric chamber refurbishment	ONR
Hou, Yiwei	Virginia Polytechnic Institute and State University	VA	An integrated multimodal testbed for experimentation	ONR
Howard, Thomas	University of Rochester	NY	Language-guided dexterous mobile manipulation	ARO
Hubbard, James	University of Maryland	MD	Quantification and analysis of small unmanned autonomous vehicles	AFOSR

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 4 of 8

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Hughes, Randall	University of Texas, Austin	TX	Low-cost, high-throughput, gene synthesis and biosensor arrays	ONR
ILA, Daryush	Fayetteville State University	NC	Triplet quadrupole gas chromatography mass spectroscopy for threat detection	ONR
Irwin, David	University of Colorado, Denver	CO	A fluorescent scan system for research on perfluorocarbons	ONR
Iyer, Shanthi	North Carolina A&T State University	NC	Characterization of nanowire photodetectors	ARO
Jarrahi, Mona	University of California, Los Angeles	CA	Synchronized dual femtosecond laser for terahertz spectroscopy at nanoscale	ONR
Jayne, Steven	Woods Hole Oceanographic Institution	MA	A profiling float system for the northern Arabian Sea	ONR
Jemison, William	Clarkson University	NY	Underwater hybrid Light Detection and Ranging (LIDAR)/radar test system	ONR
Johnsen, Eric	University of Michigan	MI	Simulations and experiments on bubble dynamics	ONR
Johnston, T. M. Shaun	University of California, San Diego	CA	A conductivity, temperature, and depth measurement system	ONR
Jordan, Nicholas	University of Michigan	MI	Ultra high-speed framing camera	AFOSR
Juliano, Thomas	University of Notre Dame	IN	Large hypersonic quiet tunnel: driver tube and air supply	AFOSR
Kambhampati, Subbareo	Arizona State University	AZ	Planning for peer-to-peer human-robot teaming	ONR
Kilaz, Gozdem	Purdue University	IN	Multidimensional gas chromatography with mass spectrometry for aviation fuels	ONR
Komerath, Narayanan	Georgia Institute of Technology	GA	Rapid whole-field velocity and density capture in rotor flows	ARO
Krekelberg, Bart	Rutgers University	NJ	Electroencephalogram and transcranial current stimulation	ARO
Krim, Hamid	North Carolina State University	NC	Computational instrumentation for algorithmic Implementation	ARO
Krishnamurthy, Srikanth	University of California, Riverside	CA	Flexible network for moving target defense	ARO
Krishnaswamy, Sridhar	Northwestern University	IL	Photonic integration through three-dimensional printed photonic circuit boards	ONR
Kumar, Satish *	Georgia Institute of Technology	GA	Thermal and mass transport measurement in electronics and energy conversion devices	ONR
Kumar, Satish *	Georgia Institute of Technology	GA	Carbon fiber surface treatment and sizing system	AFOSR
Lados, Diana	Worcester Polytechnic Institute	MA	In-situ damage detection/monitoring and microstructural evaluation	ARO
Laurence, Stuart	University of Maryland	MD	Preheated piston-driven Ludwig tube for the realistic simulation of hypersonic flows	ONR
Lavery, Andone	Woods Hole Oceanographic Institution	MA	A data acquisition system for very high frequency and high data rate acoustics	ONR
Lee, Craig	University of Washington	WA	Autonomous seaglidors for extended missions under arctic sea ice	ONR
Lee, T. Randall	University of Houston	TX	Core-shell nanoparticle characterization	AFOSR
Lentink, David	Leland Stanford Junior University	CA	Fluoroscopes for measuring avian wing morphing	AFOSR
Lewis, Jared	University of Chicago	IL	Automating artificial metalloenzyme evolution	ARO
Li, Baoxin	Arizona State University	AZ	Mobile sensing system for video acquisition and visual event recognition	ARO

* NOTE: The two awards with Satish Kumar listed as the Principal Investigator are awards to two researchers with the same name at Georgia Institute of Technology.

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 5 of 8

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office
Li, Xiaolin	State University of New York, Stony Brook	NY	A transitional computational platform	ARO
Liberatore, Matthew	Colorado School of Mines	CO	Creating thin, robust anion-exchange membranes	ARO
Lin, Ying-Tsong	Woods Hole Oceanographic Institution	MA	Array receivers and sound sources	ONR
Litchiniser, Natalia	State University of New York, Buffalo	NY	Femtosecond laser system for nonlinear optics	ARO
Little, Jesse	University of Arizona	AZ	Interaction of three-dimensional unsteady flows with aerodynamic surfaces	ARO
Liu, Jie	Duke University	NC	Bench-top gas analysis system	ARO
Lowe, Kevin	Virginia Polytechnic Institute and State University	VA	Time-resolved Doppler global velocimetry for full-scale plume characterization	ONR
Lu, Zhuo	University of Memphis	TN	High-fidelity wireless network and security solutions	ARO
Lucas, Andrew	University Of California, San Diego	CA	Fiber optic distributed temperature sensing of high-frequency upper ocean dynamics	ONR
MackKinnon, Jennifer	University Of California, San Diego	CA	High-resolution five-beam acoustic Doppler current profilers	ONR
Maddalena, Luca	University of Texas, Arlington	TX	Hypersonic research for high-temperature materials development and characterization	ONR
Mahadevan-Jansen, Anita	Vanderbilt University	TN	Multi-modal microscope for assessment of optical perturbation	AFOSR
Mailler, Roger	University of Tulsa	OK	Locomotion circuitry	AFOSR
Majji, Manoranjan	State University of New York, Buffalo	NY	Space object and light attribute rendering projection system	AFOSR
Mavris, Dimitri	Georgia Institute of Technology	GA	High performance computing and supporting hardware	ONR
M'Closkey, Robert	University of California, Los Angeles	CA	System for development of high-quality-factor gyros	ONR
Melville, W. Kendall	University Of California, San Diego	CA	Measurements of Langmuir turbulence in the upper ocean	ONR
Meriwether, John	Clemson University	SC	Hot-oxygen Doppler imager interferometer system	AFOSR
Michael, Nathan	Carnegie Mellon University	PA	Experimental testbed development for large teams of autonomous micro air vehicles	ONR
Michaeli, Jennifer	Old Dominion University	VA	A real-time, power-hardware-in-the-loop simulator for naval power systems	ONR
Miller, Benjamin	Colorado State University	CO	Metabolic flux	ARO
Miller, James	University of Rhode Island	RI	Interface wave-sediment profiler	ONR
Moses, Jeffrey	Cornell University	NY	Capturing non-equilibrium electron dynamics and multi-body correlations	AFOSR
Moum, James	Oregon State University	OR	Measurement system to quantify nonlinear transport mechanisms in the coastal ocean	ONR
Murnane, Margaret	University of Colorado, Boulder	CO	Bright high-harmonic X-ray generation	ARO
Muterspaugh, Matthew	Tennessee State University	TN	Next-generation camera for the precision optical interferometer	ONR
Nayar, Shree	Columbia University	NY	Fabrication of large-format imaging systems	ONR
Negrut, Dan	University of Wisconsin	WI	Heterogeneous computing system	ARO
Nelson, Keith	Massachusetts Institute of Technology	MA	Ultrafast laser and nonlinear crystals	ONR
Neumeier, John	Montana State University	MT	Cryogen-free upgrade of a physical property measurement system	ONR

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 6 of 8

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office
Ning, Cun-Zheng	Arizona State University	AZ	Ultrafast laser	ARO
Norouzi, Hamidreza	New York City College of Technology, CUNY	NY	Exploring surface energy balance using satellite and ground-based observations	ARO
Ohara, Kenneth	Pennsylvania State University	PA	Quantum gas microscope for fermionic atoms in a three-dimensional lattice	AFOSR
Opila, Daniel	United States Naval Academy	MD	Reconfigurable adaptive network power system testbed for microgrid research	ONR
O'Reilly, Randall	University of Colorado, Boulder	CO	A graphics processing unit cluster for bidirectional, biological deep networks	ONR
Ortalan, Volkan	Purdue University	IN	Nanosecond time-resolved dynamic ultrafast transmission electron microscope	AFOSR
Paddison, Stephen	University of Tennessee	TN	High-performance Beowulf cluster	ARO
Pape, Theresa	Northwestern University	IL	Cross-cutting transcranial magnetic stimulation technology with advanced imaging	ARO
Parziale, Nick	Stevens Institute of Technology	NJ	Pulsed write-laser and intensified camera systems	AFOSR
Pawlak, Eugene	University of California, San Diego	CA	Autonomous wave-powered profiling system	ONR
Perry, Joseph	Georgia Institute of Technology	GA	Narrow-bandwidth, ultrafast and nonlinear optical spectroscopy	AFOSR
Phillips, Scott	Pennsylvania State University	PA	Triple detection system for depolymerizable polymers	ARO
Podini, Daniele	George Washington University	DC	DNA quantitation and next-generation sequencing	ARO
Rabitz, Herschel	Princeton University	NJ	Optimal dynamic control of multiple quantum systems	ARO
Rais-Zadeh, Mina	University of Michigan	MI	Phonon trap characterization system	ONR
Rander, Peter	Carnegie Mellon University	PA	Augmentation of unmanned surface vessel for maritime autonomy research	ONR
Ray, Asok	Pennsylvania State University	PA	Detection, classification, and tracking of mobile targets	ARO
Reed, Robert	Vanderbilt University	TN	Physical mechanisms impacting reliability in emerging technology	AFOSR
Roberson, David	University of Texas, El Paso	TX	High-temperature polymer matrix composites and polymer blends	AFOSR
Robinson, Jacob	William Marsh Rice University	TX	On-chip compressive lensless, light-field and hyper-spectral sensors	ONR
Rokhinson, Leonid	Purdue University	IN	A low-temperature system for the study of non-Abelian topological excitations	ONR
Roukes, Michael	California Institute of Technology	CA	Direct thermodynamic measurements of the energetics of information processing	ARO
Rrushi, Julian	Western Washington University	WA	Programmable logic controllers for research on cyber security of industrial power plants	ONR
Runt, James	Pennsylvania State University	PA	Broadband dielectric spectrometer for research on polymer dielectric materials	ONR
Saffman, Mark	University of Wisconsin	WI	Entanglement of atomic and superconducting qubits	ARO
Salem, Thomas E.	Clemson University	SC	Computer numeric control machine	ONR
Salguero, Tina	University of Georgia	GA	Scanning electron microscope with energy dispersive spectroscopy	ONR
Santos, Eugene	Dartmouth College	NH	Computational instrumentation for decision-making support systems	ONR
Santos, Eunice	Illinois Institute of Technology	IL	Understanding and utilizing clouds in dynamic scenarios	ONR
Schamiloglu, Edl	University of New Mexico	NM	High-power microwave sources and study of electronics in extreme environments	ONR/AFOSR

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 7 of 8

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Scovazzi, Guglielmo	Duke University	NC	Hybrid computing architectures	ARO
Selvamanickam, Venkat	University of Houston	TX	Physical property measurement system	ONR
Seshadri, Kalyanasundaram	University of California, San Diego	CA	Studies on combustion in reactive flows	ARO
Sha, Fei	University of Southern California	CA	Understanding representation learning	ARO
Shepard, Kenneth	Columbia University	NY	High-resolution functional imaging of neurons	ARO
Shin, Kang	University of Michigan	MI	Research on next-generation secure mobile/wireless computation and networking	ARO
Shontz, Suzanne	University of Kansas	KS	High performance computing and visualization instrumentation	ARO
Sievenpiper, Daniel	University Of California, San Diego	CA	High-performance computing cluster and high-speed arbitrary waveform generator	ONR/AFOSR
Sippel, Travis	Iowa State University	IA	Investigation of plasma-tuned multiphase combustion	AFOSR
Sirovic, Ana	University Of California, San Diego	CA	Acoustic moorings for integrated cetacean-prey studies	ONR
Spedding, Geoffrey	University of Southern California	CA	Experiments in developing wakes of submerged bodies	ONR
Sterbing-Dangelo, Susanne	Johns Hopkins University	MD	Fluorescence imaging of bat wing membrane innervation	AFOSR
Stern, Frederick	University of Iowa	IA	Global and local flow measurement system	ONR
Strank, Shannon	University of Texas, Austin	TX	Real-time simulation of forward-operating microgrids	ARO
Sun, Kun	College of William and Mary	VA	Characterizing the efficacy of moving-target defense	ARO
Sun, WaiChing	Columbia University	NY	Cryo-mechanics of unsaturated frozen soils during freeze-thaw cycle	ARO
Suzuki, Yuri	Leland Stanford Junior University	CA	Molecular beam epitaxy system	AFOSR
Sweder, Kevin	Syracuse University	NY	Next-generation sequencing	ARO
Takeuchi, Ichiro	University of Maryland	MD	Topological decompositions and spectral sampling algorithms	ONR
Terrill, Eric	University Of California, San Diego	CA	High-frequency radar and other at-sea radio frequency propagation instrumentation	ONR
Thompson, Greg	University of Alabama	AL	In-situ solute and grain character mapping of nanocrystalline alloys	ARO
Tippur, Hareesh	Auburn University	AL	Failure characterization of transparent armor materials	ARO
Toole, John	Woods Hole Oceanographic Institution	MA	Ice-tethered profilers with velocity instruments	ONR
Trease, Harold	Virginia Polytechnic Institute and State University	VA	Hardware computer server system	ARO
Tripathi, Renu	Delaware State University	DE	Three-dimensional imaging photon counting laser detection and ranging	ARO
Ulijn, Rein	Advanced Science Research Center, CUNY	NY	Super resolution microscopy for bioinspired nanomaterials	AFOSR
van Benthem, Klaus	University of California, Davis	CA	Low-voltage argon ion milling	ONR
Vandervelde, Thomas	Tufts University	MA	Group-IV photonic material molecular beam epitaxy	AFOSR
Venayagamoorthy, Subhas	Colorado State University	CO	Turbulence measurements around obstacles in oceanic flows	ONR
Voigt, Christopher	Massachusetts Institute of Technology	MA	Automated colony picking system for DNA Assembly	ONR

WINNERS OF THE FY 2015 COMPETITION UNDER THE DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 8 of 8

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office
Vorontsov, Mikhail	University of Dayton	OH	High-performance computational cluster	AFOSR
Wadley, Haydn	University of Virginia	VA	Gas turbine engine simulating testbed	ONR
Walsh, Susan	Indiana University	IN	Genetic basis of human identification	ARO
Wang, Haiyan	Texas A&M University	TX	Multifunctional in-situ transmission electron microscope holder	ONR
Wang, Qing	Pennsylvania State University	PA	Thermal characterization of dielectric thin films	ONR
Weiss, Lora	Georgia Institute of Technology	GA	Rotorcraft enabled underwater autonomous vehicle maneuverability	ONR
Weld, David	University of California, Santa Barbara	CA	Alkaline earth quantum gas microscope	ARO
Wilcock, William	University of Washington	WA	Oceanographic instrumentation	ONR
Wong, Chee Wei	University of California, Los Angeles	CA	Precision stable frequency reference for next-generation nonlinear dynamics	ONR
Yacoby, Amir	Harvard University	MA	Quantum microscope for characterization of advanced materials	ARO
Yang, Jie	University of Washington	WA	Enhancement of the sediment acoustic-speed measurement system	ONR
You, Lingchong	Duke University	NC	Enhancing capability of quantitative biology research and education	ONR
Yu, Kenneth	University of Maryland	MD	Ultra high-speed optical diagnostics	AFOSR
Yu, Shui-Qing (Fisher)	University of Arkansas, Fayetteville	AR	Advanced optical and electrical characterization system	ARO
Zanni, Martin	University of Wisconsin	WI	Two-dimensional white-light spectrometer for energy transfer in nano-carbon thin films	AFOSR
Zhu, Lei	Case Western Reserve University	OH	Fast-scan Fourier transform infrared spectrometer	ONR
Zwierlein, Martin	Massachusetts Institute of Technology	MA	Degenerate Fermi gases of stable dipolar molecules	AFOSR