

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research	Awarding Office
Achee, Nicole	University of Notre Dame	IN	Enhanced Functionality of the REDI-NET Pipeline to Strengthen Force Health Protection intelligence	ARO
Adams, Julie	Oregon State University	OR	Evaluation Studio	ARO
Ade, Harald	North Carolina State University	NC	Xenocs Xeuss 3.0 SAXS/WAXS for DOD-Funded Functional Polymer Research and Training	ONR
Ahmed, Kareem	University of Central Florida	FL	High-Hypersonic Enthalpy Facility (HiHYPER) for Hypersonic and Space Propulsion	AFOSR
Ali, Jamel	Florida A&M University	FL	Nanoscale 3D Printing of Multifunctional Natural and Nature-inspired Materials for Defense Applications	AFOSR
Allan, Elizabeth	University of Washington	WA	Automated and Extended Depth Environmental DNA Sampling Devices	ONR
Alu, Andrea	CUNY ASRC	NY	Observation of Phonon Excitations at Complex Frequencies for Enhanced Wave-Particle Manipulation	AFOSR
Antil, Harbir	George Mason University	VA	Optimization for Neuromorphic Imaging and Digital Twins	AFOSR
Arefiev, Alexey	University of California, San Diego	CA	Acquisition of Equipment for Low-Density Foam Target Production for Ultra-High-intensity Laser Experiments	AFOSR
Arehart, Aaron	Ohio State University	OH	High-Voltage Deep Level Transient Spectrometer for Defect Characterization in Power Diodes	ONR
Azoulay, Jason	Georgia Institute of Technology	GA	Characterization of Spin Dependent Properties in Emerging Semiconductor Materials	AFOSR
Baccarella, Damiano	University of Tennessee, Knoxville	TN	Upgrade of the University of Tennessee Arcjet Tunnel to Continuous Operation	ARO
Bank, Seth	University of Texas at Austin	TX	Synthesis System to Atomically Control Linear and Nonlinear Light-Matter Interactions	AFOSR
Baraniukn, Richard G	William Marsh Rice University	TX	Exploring the Local Geometry of Deep Networks	ONR
Barman, Ishan	Johns Hopkins University	MD	Brillouin Microscopy for Multiscale Biophysical Investigations	AFOSR
Barthelat, Francois	University of Colorado Boulder	CO	An Experimental Platform for Granular Crystals Under Impact Loading	ARO
Bathe, Mark	Massachusetts Institute of Technology	MA	Combinatorial Nucleic Acid Nanoparticle Libraries for Materials Research and Molecular Catalysis	ONR
Baur, Jeffery	University of Illinois, Urbana-Champaign	IL	Additive Manufacturing System for Advanced Continuous Fiber Composite Structures	AFOSR
Beaudoin, Stephen	Purdue University	IN	Labram I1H Mixing System to Enable the Modern Formulation of Energetic Materials	ARO
Bennett, Jennifer	United States Military Academy	NY	Directed Energy Deposition System for Advanced Manufacturing Research	ARO
Berg, Matthew	Kansas State University	KS	Supercontinuum Laser System for Multispectral Digital-Holography of Particulates	ARO
Berke, Ryan	Utah State University	UT	A High-Speed Stereo Camera System to Enable Non-Contact Strain Measurements at Extreme Magnifications and Temperatures	AFOSR
Bilen, Sven	Pennsylvania State University	PA	Space Environmental Testing for Space Materials Characterization	AFOSR
Blok, Machiel	University of Rochester	NY	Rapid Cycle Cryostat with Sample Magnet for High Throughput Characterization of Superconducting Circuits	AFOSR
Boley, J	Boston University	MA	Accelerated Discovery and Fabrication of Multiscale, Multimaterial, Multifunctional Systems	AFOSR
Bowman, Judd	Arizona State University	AZ	Tracking Sporadic E with the LWA Swarm	AFOSR
Boyce, Christopher	Columbia University	NY	Designing and Characterizing Hydrogen-Producing Reactors for Naval Purposes	ONR
Breuer, Kenneth	Brown University	RI	High Speed Cameras for Shared Uses in Research of Bio-inspired, Environmental and Aerodynamic Flows	AFOSR
Bruggeman, Peter	University of Minnesota	MN	Quantum Cascade Laser Dual Comb Spectrometer for Quantitative in-Situ Characterization of Plasma-Driven Solution Electrochemistry	ARO
Calabrese, Barbara	University of California, San Diego	CA	Neuronal Energy Metabolism and Synaptic Function Probed Using Subcellular, Optically Controlled Photoactivation and Photo-Tagging	AFOSR
Caldwell, Joshua	Vanderbilt University	TN	Optical Parametric Oscillator (OPO), Transmission, and Electrical Test Upgrades for Nanoscale Far-IR Characterization	ONR
Cao, Hui	Yale University	CT	Kilowatt Highly-Multimode-Fiber Amplifier for Research on Suppressing Nonlinear Instability	AFOSR
Cao, Yongcan	University of Texas at San Antonio	TX	High-Performance Computing for Research and Education in Human-Guided Learning	ARO
Carlson, Krista	University of Nevada, Reno	NV	Unique Combination of Melting and Rapid Solidification to Create Refractory Glassy Metal Alloys	ONR
Carroll, Meredith	Florida Institute of Technology	FL	Physiological Sensor Suites to Assess Trust Dynamics in Heterogeneous Human-Agent Teams	AFOSR
Cattafesta, Louis	Illinois Institute of Technology	IL	The IIT National Diagnostic Facility	ONR
Certel, Sarah	University of Montana	MT	High Resolution Macro to Micro Imaging System for Quantifying Gut-Brain Signaling Mechanisms and Stem Cell States	ARO
Chakram Sundar, Srivatsan	Rutgers University	NJ	Electron Beam Lithography System for Engineering Novel Quantum Circuits, Architectures, and Materials for Superconducting Quantum Computing	AFOSR
Chasiotis, Ioannis	University of Illinois, Urbana-Champaign	IL	Hypervelocity Impact Testing System & 3D Printing System for Micro-Architected, Macroscale Ceramic and Metallic Structures	AFOSR / ARO
Chen, Ray	University of Texas at Austin	TX	Mid-IR Broad-Band Wavelength Tunable Quantum Cascaded Lasers Covering 3-13 Microns	AFOSR
Chen, Weinong	Purdue University	IN	Rig for Quantifying High Impact Speed Erosion	ONR
Chisum, Jonathan	University of Notre Dame	IN	Low-Loss, Multi-Material Dielectric Printer for Low-Cost and High-Performance Gradient-index (GRIN) Lens Antennas	ONR
Chopra, Inderjit	University of Maryland	MD	Upgrading of Model Rotor Rig for Testing of Tip-Propeller-Driven Rotor in the Glenn L. Martin Wind Tunnel	ONR
Choset, Howie	Carnegie Mellon University	PA	On-Orbit Emulator on Earth: Multi-Body Dynamics Emulator for Multi-Agent Autonomy in Three-Dimensions	AFOSR
Crassidis, John	SUNY, Buffalo	NY	Research Experimentation for Space and Counter-UxVs Engagement (RESCUE)	AFOSR
Crommie, Michael	University of California, Berkeley	CA	Programmable Microwave Source for Pulsed Electron Spin Resonance Scanning Tunneling Microscopy of Molecular Quantum Spin Centers	ONR
Culley, Alexander	University of Hawaii, Honolulu	HI	Scanning Electron Microscope for Research in Materials Development, Energy, and Microbiology in Extreme Environments	ARO
Cuppoletti, Daniel	University of Cincinnati	OH	Spatiotemporally Resolved Measurements of Unsteady and Thermally Distorted Flows	AFOSR
Curtarolo, Stefano	Duke University	NC	Deep-Learning/SSISO Structural/Plasmonic Optimization of High-Entropy Carbonitrides and Borides	ONR
D'Asaro, Eric	University of Washington	WA	Realtime ADCP Data from Lagrangian Floats	ONR

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Davami, Keivan	University of Alabama	AL	Compressive Residual Stresses for Mitigation of Surface-initiated Failures in DoD tools	AFOSR
Dean, Jay	University of South Florida	FL	Liposomal Antioxidant Therapies for Mitigation of CNS Oxygen Toxicity	ONR
Dedic, Chloe	University of Virginia	VA	Robust and Mobile Multidimensional Laser Spectroscopy System to Study Hypersonic and Propulsion Environments	AFOSR
Del Vecchio, Domitilla	Massachusetts Institute of Technology	MA	Advanced Molecular Measurements for Fundamental Research on Rules of Composition in Synthetic Biology	AFOSR
Diddams, Scott	University of Colorado Boulder	CO	Erbium Fiber Lasers for Frequency Comb Metrology	AFOSR
Dixon, Warren	University of Florida	FL	Enhanced Capabilities and Collaborative integration for a Validation and Verification Instrument for Autonomous Multi-Agent Systems in Outdoor Contested Environments	AFOSR
Doyle, John	Harvard University	MA	Quantum information Science with Ultracold Laser-Cooled Molecules	AFOSR
Duan, Xiangfeng	University of California, Los Angeles	CA	Probing Emergent Quantum Phenomena at Van Der Waals interfaces with a Dilution Refrigerator	ONR
Dupuis, Russell	Georgia Institute of Technology	GA	Cathodoluminescence Experiments to Characterize Wide-Bandgap Semiconductors, Hybrid Films, and Composites	ONR
Dwyer, Joseph	University of New Hampshire	NH	A High-Speed Camera System for Observing the Streamer to Leader Transitions in Lightning	AFOSR
Dzieciuch, Matthew	University of California, San Diego	CA	Enabling Observations of Ice Draft and Roughness in Support of Arctic Acoustic thermometry Measurements	ONR
Eilers, Hergen	Washington State University	WA	In Situ Spectroscopy and Kinetic Characterization of the Photodegradation of Chemical Warfare Agent Simulants	ARO
Englund, Dirk	Massachusetts Institute of Technology	MA	Atomic Testbed for Photonic Quantum Control & Three-in-one-SEM tool for in-Situ Diamond Hyer-Imaging, Nano-Etching and PIC Annealing	ARO
Evans, Austin	University of Florida	FL	Processing and Characterization of High-Performance Polymeric Materials	ARO
Evans, Christopher	University of Illinois, Urbana-Champaign	IL	Characterization Suite for Advanced Analysis of Dynamic Polymer Networks	AFOSR
Farahmandi, Farimah	University of Florida	FL	Synopsys Zebu Emulation Unit for Advanced Emulation-Based Soc Security Verification (ZEUS)	AFOSR
Faraon, Andrei	California Institute of Technology	CA	Optical Quantum Networks Based on Rare-Earth Ions	AFOSR
Farha, Omar	Northwestern University	IL	Breakthrough Reactor for Rapid Screening of Metal-Organic Frameworks for Toxic Industrial Chemicals	ARO
Farrar, J. Thomas	Woods Hole Oceanographic Institution	MA	Instrumented Autonomous Surface Vehicles for Air-Sea Fluxes	ONR
Feng, Philip	University of Florida	FL	High-Temperature Vacuum Probing and Phase Noise Measurement for Advanced RF/GHz MEMS Resonators and Oscillators	AFOSR
Ferdowsi, Behrooz	University of Houston	TX	A Torsional Shear Deformation Apparatus to Investigate The Mechanics of Frictional Weakening, Thermal Pressurization, And Healing Processes In Granular Materials at High Strain Rates	ARO
Finn, Chelsea	Leland Stanford Junior University	CA	Generalizable Robot Learning from in-the-Wild Datasets	ONR
Froula, Dustin	University of Rochester	NY	Advanced Target Chamber to Enable High-Power Ultrashort-Pulse Laser-Matter High-Energy Density Physics	AFOSR
Fuller, Sarah	Woods Hole Oceanographic Institution	MA	EM712 Upgrade for R/V Neil Armstrong	ONR
Furukawa, Tomonari	University of Virginia	VA	Equipment for Performance Evaluation of Semi-Autonomous Robots for Full-Scale Engineered Environments	ONR
Galloway, Kate	Massachusetts Institute of Technology	MA	Fluorescence Microscope Enabling Time-Lapse Tracking of Compact, Multistable Gene Circuits for Cellular Regeneration	AFOSR
Gasier, Heath	Duke University	NC	Repair Mechanisms of Oxidative Tissue Damage	ONR
Gaume, Romain	University of Central Florida	FL	Thermal Analyzer Coupled with Advanced Mass Spectrometry for Optical Materials Research	AFOSR
Gemba, Kay	Naval Postgraduate School	CA	Pacific Ocean Basin Scale thermometry to Validate Navy Models	ONR
Gerecht, Sharon	Duke University	NC	High-Resolution Characterization of Biologically Relevant Soft Materials	AFOSR
Ghamarian, Iman	University of Oklahoma	OK	Enhancing the Atomic and Mesoscale Understanding of Microstructure-Property Relationships in Advanced Materials	AFOSR
Gianneschi, Nathan	Northwestern University	IL	Functional Synthetic Materials: Preparation, Characterization and Evaluation of Properties	AFOSR
Giebel, Brian	CUNY, Advanced Science Research Center	NY	Thermal Analytical Approaches to Address Natural and Accelerated attenuation of Organic- and Plastic-Based Waste in the Terrestrial	ARO
Giometto, Marco	Columbia University	NY	Light Detection and Ranging System for Land-Atmosphere Interaction Research	ARO
Gomes, Carla	Cornell University	NY	Extending the Power of AI for Scientific Discovery	AFOSR
Gomez Escobar, Andres	University of Southern California	CA	A GPU Cluster for Empowering Research on Distributed Optimization and Learning in Massive-Scale Systems	AFOSR
Gong, Cheng	University of Maryland	MD	DURIP: Acquisition of Quantum Scanning Microscope for Nanoscale Imaging of Spin Textures in Emergent 2D Magnets	AFOSR
Goodson, Holly	University of Notre Dame	IN	Light Imaging Equipment to Support DOD-Related Biophysics Research and Education	AFOSR
Griffin, Robert	University of West Florida	FL	High-Powered Arms, Grippers, and Improved Rapid Prototyping for Advanced Urban	ONR
Groisman, Eduardo	Yale University	CT	Control of Cell Envelope Integrity and DNA Supercoiling by Cytoplasmic Mg2+: Revealing Novel Principles to Manipulate Bacteria	ARO
Gruzdev, Vitaly	University of New Mexico	NM	Few-Cycle Femtosecond Laser System for Research on Ultrafast Laser Interactions and Imaging	ONR
Gutmark, Ephraim	University of Cincinnati	OH	High Speed infrared and High Speed Multi-Purpose Camera	AFOSR
Habteyes, Terefe	University of New Mexico	NM	Nanosopic Infrared Imaging and Spectroscopy of Materials and Physicochemical Processes	AFOSR
Hahn, Jin-Oh	University of Maryland	MD	Multi-Purpose Evaluation Platform for Critical Care Monitoring and Control Systems	ONR
Halas, Naomi	William Marsh Rice University	TX	Ultrashort Pulse Laser for Research on Deposition and Desorption Dynamics of Jet Fuel Pyrolysis Products	AFOSR
Ham, Julia	United States Naval Academy	MD	Enhancing Multi-Disciplinary Polymer Research at the United States Naval Academy	ONR
Hansen, John	West Georgia College	GA	Sub-Nanosecond Time-Resolved Emission Spectrometer for Investigating Nanomaterials, Soft Materials and Self-Assembled Systems	ARO
Hanson, Ronald	Leland Stanford Junior University	CA	High-Speed Aerodynamics	AFOSR
Harvey, Christina	University of California, Davis	CA	High-Resolution Imaging Capabilities for Advancing Bio-informed Flight Research	ARO
He, Ximin	University of California, Los Angeles	CA	Streamline Fabrication and Characterization System for Prototyping Hydrogel-Based Energy-Self-Sufficient Robotic Fish	ONR

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Heidrich, Casey	University of Colorado Boulder	CO	Measuring Human Factors in SDA Games and Conflict Simulation	AFOSR
Hersam, Mark	Northwestern University	IL	X-Ray Photoelectron Spectroscopy of Borophene Nanoelectronic Materials	ONR
High, Alexander	University of Chicago	IL	Spectroscopy and Control of Spin-Strain Interactions for Group-IV Color Centers in Diamond Membranes	AFOSR
Hirshfield, Leanne	University of Colorado Boulder	CO	A Multimodal Brain Measurement Sensor Suite for investigation and Modeling of Neural Mechanisms During Human-Agent Teaming & Concurrent Measurement of Functional Near-infrared Spectroscopy and Functional Magnetic Resonance Imaging: toward A Deeper Understanding of the Brain as Measured in Naturalistic Settings	ARO
Hodgkiss, William	University of California, San Diego	CA	Shipboard Acoustic Source Transmission/Monitoring System	ONR
Holbrook, Colin	University of California, Merced	CA	Instrumentation to Investigate Relation-Based Trust in Anthropomorphic Robots	AFOSR
Hopkins, Patrick	University of Virginia	VA	Thermal Conduction, Radiation and Melting Temperature Measurements of Materials in Extreme Environments Using Fast Laser Heating	ONR
Hou, Tao	Texas State University	TX	Trueaiot: A High-Fidelity Infrastructure towards the Research and Education for Trustworthy and Resilient Artificial Intelligence of Things	ARO
Hwang, James	Cornell University	NY	Advanced RF Characterization Equipment for UWBG Materials and Devices	ARO
Hwang, John	University of California, San Diego	CA	GPU Cluster to Enable Physics-informed Machine Learning for Underwater Robot Design	ONR
Island, Joshua	University of Nevada, Las Vegas	NV	Bolstering Quantum Science in Southern Nevada at Millikelvin Temperatures	AFOSR
Jaffett, Victor	United States Military Academy	NY	Nuclear Magnetic Resonance Spectrometer for Small Molecule Characterization	ARO
Jayant, Krishna	Purdue University	IN	A Traveling Wave Basis for Coding touch: Unraveling Recurrent and Translaminar Circuit Contributions to Sensory-Evoked Traveling Waves	AFOSR
Jayich, Andrew	University of California, Santa Barbara	CA	Optical Frequency Comb	AFOSR
Jewett, Michael	Leland Stanford Junior University	CA	High-Throughput Bioreactor Systems to Accelerate Synthetic Biology Material Production Workflows	ARO
Jewett, Michael	Northwestern University	IL	An Automated System for Accelerating Biosensor Design	AFOSR
Johnson, Blair	Indiana University at Bloomington	IN	Installation of New Extreme Environmental Chamber	ARO
Jorns, Benjamin	University of Michigan	MI	Titanium Sublimation Pumping System for Electric Propulsion Testing with Alternative Propellants	AFOSR
Kaelbling, Leslie	Massachusetts Institute of Technology	MA	Mobile-Manipulation Robots for Integrated Intelligence Research	ONR
Kaiser, Ralf	University of Hawaii, Honolulu	HI	A Rapid Scan Vacuum Fourier Transform Infrared Spectrometer for Untangling the Reaction Mechanisms of Hypergolic Ionic Liquids with Key Oxidizers as Advanced Space-Compliant Satellite Propellants	AFOSR
Kalow, Julia	Northwestern University	IL	Discovery and Characterization of Functional Soft Materials	AFOSR
Kante, Boubacar	University of California, Berkeley	CA	High-Performance Computing Platform for Large-Scale Electromagnetic Networks	AFOSR
Kaplan, David	Tufts University	MA	Comprehensive Polymer Systems Characterization Core	AFOSR
Karniadakis, George	Brown University	RI	GPU Cluster for Neural Pdes and Neural Operators to Support MURI Research and Beyond	AFOSR
Kats, Mikhail	University of Wisconsin	WI	Broadband Photothermal Common-Path Interferometry for Research in High-Power Optical Materials and Devices	ONR
Kingston, Todd	Iowa State University of Science and Technology	IA	Quantifying Li-Ion Battery Safety and Thermal Characteristics Using Accelerating Rate Calorimetry	ONR
Kisalus, David	University of California, Riverside	CA	Extreme Nanomechanical / Chemical Characterization and Translational System	AFOSR
Knightly, Edward	William Marsh Rice University	TX	MmSec: Experimental Platform for Researching New Security Threats and Capabilities Above 100 GHz	ARO
Kono, Junichiro	William Marsh Rice University	TX	Ultrashort-Pulse Laser for Research on Quantum-Vacuum-Dressed Solids in Cavities	ARO
Koppal, Sanjeev	University of Florida	FL	Electro-Optical Sensor Prototype with Phase/Amplitude Analysis	ONR
Lai, Cheng-Yu	Florida International University	FL	Quantum Photonics and Plasmonic Nanostructured Films Characterization by X-Ray Photoelectron Spectroscopy	ONR
Lee, Kevin	University of Texas at Austin	TX	Deep-Sea Multi-Coring System for Investigation of Coupled Benthic Boundary Layer Processes and Supporting Unified Seabed Model Development	ONR
Lee, Tonghun	University of Illinois, Urbana-Champaign	IL	High Enthalpy Hypersonic Wind Tunnel for Propulsion Physics Research	AFOSR
Leibrandt, David	University of California, Los Angeles	CA	Vacuum-Ultraviolet Frequency Comb Spectroscopy Apparatus	AFOSR
Lenain, Luc	University of California, San Diego	CA	Instrumented Autonomous Surface Vehicles for Air-Sea Fluxes and Upper-Ocean Studies in the Arabian Sea	ONR
Levenson-Falk, Eli	University of Southern California	CA	A Cryogen-Free Helium Dilution Refrigerator for Quantum Information Science	AFOSR
Levin, Michael	Tufts University	MA	Computer-Controlled Fluidic Delivery System and Multiplexed Microelectrode Array for Research in Basal Cognition in Cells and Tissues	AFOSR
Liao, Bolin	University of California, Santa Barbara	CA	A Measurement System for Thermal Transport Under Extreme External Fields	AFOSR
Libera, Matthew	Stevens Institute of Technology	NJ	In Situ Characterization of Functional Microhydrogels	ARO
Liew, Min	Ohio State University	OH	Environmental Triaxial Automated System for Research on Permafrost Degradation and Hydrate Dissociation	ARO
Lin, Haosheng	University of Hawaii	HI	Flare Sentinel: A Compact Snapshot Hyperspectral Imager for Solar Flare Research	AFOSR
Linke, Norbert	Duke University	NC	Support for Holographic Analog Simulations and Multi-Qubit Gates with Trapped-Ion Quantum Processors	ONR
Liu, Jifeng	Dartmouth College	NH	Kurt Lesker PVD 75 System for Screening and Prototyping Long Carrier Lifetime Infrared Semiconductors	AFOSR
Lucas, Piere	University of Arizona	AZ	Fabrication of Infrared Optics for Extreme Environments	AFOSR
Ma, Chu	University of Wisconsin	WI	A High-Framerate Optical Imaging System for Brain Tissue Dynamics inspection Under Transient Energy Exposure	ONR
Ma, Qiong	Boston College	MA	Infrared Magneto-Optic Microscope for Probing Emergent Quantum Phases	AFOSR

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Macfarlane, Robert	Massachusetts Institute of Technology	MA	Quantitative Compositional Analysis of Complex Nanocomposites for Novel Structural Materials	ARO
Mackinnon, Jennifer	University of California, San Diego	CA	Continuing Development of Doppler Sonar Systems	ONR
Mai, Danielle	Leland Stanford Junior University	CA	Atomic Force Microscope for Single-Molecule investigations of Biomolecular Actuation by Ion-Responsive Repeat Proteins	AFOSR
Manocha, Dinesh	University of Maryland	MD	Multi-Agent Ground Autonomous Systems	ARO
Marelli, Benedetto	Massachusetts Institute of Technology	MA	In Situ investigation of Synergistic Assembly Processes in Biopolymers to Design Environmentally Responsive Materials	ONR
Maria, Jon	Pennsylvania State University	PA	Dedicated Electron Microscopy for Quantum, Hypersonic, IR, and Mechanical Materials	AFOSR
Marojevic, Vuk	Mississippi State University	MS	O-RAN Security and Spectrum Access Research Testbed	ONR
Mavris, Dimitri	Georgia Institute of Technology	GA	Testbed to Enable Design for Autonomy and Collaboration of Physical Systems	ONR
McCue, Ian	Northwestern University	IL	Gleeble Acquisition for Physical & Mechanical Characterization of Structural Materials at Extremes	AFOSR
McHarg, Matthew	United States Air Force Academy	CO	High-Speed Image Intensifiers for Streamer Research	AFOSR
McNeese, Nathan	Clemson University	SC	Synchronizing Collaborations for Human-Autonomy Teaming and Ethical Autonomy Use	AFOSR
Meiklejohn, Kelly	North Carolina State University	NC	Spectrum Compact Capillary Electrophoresis; System for Bioforensics Research and Training	ARO
Menendez, Joseph	Arizona State University	AZ	Cryogenic Probe Station for Research on Mid-Wave and Long-Wave Infrared Group IV Materials and Devices on Silicon	AFOSR
Meriwether, John	New Jersey Institute of Technology	NJ	Short Wave Infrared Imager for Magnetospheric Physics and Aeronomy Studies	AFOSR
Merrifield, Sophia	University of California, San Diego	CA	UxS Systems for Persistent Ocean Observation	ONR
Mikkelsen, Maiken	Duke University	NC	Visualizing Nanoscale Dynamics of Metasurface-Enabled Optoelectronics Via Co-Localized Optical, thermal, and Electrical Scanning Probe Microscopy	AFOSR
Miller, James	University of Rhode Island	RI	DURIP: 3D Vector Hydrophone Array for Environmental Characterization and Target Tracking	ONR
Minnich, Austin	California Institute of Technology	CA	Thermal Laser Epitaxial Growth System for the Synthesis of Ultraclean Quantum Materials Containing Refractory Elements	AFOSR
Miri, Mohammad Ali	CUNY, Queens College	NY	Instrumentation for Developing Universal Programmable Photonic Integrated Circuits for Analog Information Processing	AFOSR
Monti, Oliver	University of Arizona	AZ	Spin-Resolved Momentum Microscopy of Symmetry-Broken Materials	AFOSR
Morales, Aldo	Pennsylvania State University	PA	Upgrading the Signal Integrity Laboratory to Allow Research and Education for the Next Generation of High-Speed Connectivity	ONR
Moridi, Atieh	Cornell University	NY	Open Architecture Selective Laser Printing with Unique Capabilities	ONR
Morris, Amanda	Virginia Polytechnic Institute and State University	VA	Mechanistic Studies of Heterogeneous Chemical Warfare Agent Degradation Catalysts Enabled By Benchtop X-Ray Spectroscopy Suite	ARO
Myers, Roberto	Ohio State University	OH	Multimodal Correlative Dislocation Characterization – A System for Optoelectronic and Nanomechanical Characterization and Manipulation of 1D Defects	AFOSR
Nair, Hari	Cornell University	NY	MOCVD for New Nitride Materials and Devices	AFOSR
Narayanawamy, Venkateswaran	North Carolina State University	NC	Widening the Mach 6 Wind Tunnel Operation Envelope for Hypersonic Propulsion Investigations	ARO
Narducci, Frank	Naval Postgraduate School	CA	Instrumentation for A 30 Meter Tall Atomic Fountain	ONR
Nesbitt, David	University of Colorado Boulder	CO	Innovative Ultrafast Laser System for Scanning Photoionization Imaging Microscopy	AFOSR
Ni, Rui	Johns Hopkins University	MD	HFLIVE: High Frequency LIDAR Velocity Measurements for Underwater Environments	ONR
Ning, Xin	University of Illinois, Urbana-Champaign	IL	Space-Compatible Structural Testing and Fabrication System for in-Space Servicing, Assembly, and Manufacturing of Multifunctional Composite Shells	AFOSR
Nocera, Daniel	Harvard University	MA	Spectroscopy Enhanced Analytical (SEA) Suite for Studies of Oxygen and Carbon Dioxide Management in the Undersea Environment	ONR
Nowzari, Cameron	George Mason University	VA	The AVIARE at Eagle Bank Arena: Aerial Vehicle and Intelligent Autonomy Range for Experimentation	ONR
Nuckolls, Colin	Columbia University	NY	SQUID Magnetic Properties Measurement System	AFOSR
Nuriel, Tal	Columbia University Medical Center	NY	Investigating the Role of APOE4-Associated Lipid Trafficking in AD and TBI Using Confocal Cell Culture Imaging	ARO
Ohodnicki, Paul	University of Pittsburgh	PA	Scaled Additive Manufacturing and Loss Characterization for Research in Ultra-High Frequency Soft Magnet Technology for High Power	ONR
Oliver, William	Massachusetts Institute of Technology	MA	UHV Materials Growth and Analysis System for Education and Research Enabling Enhanced Quantum Information Processing and Sensing	ARO
Ortega, Francisco	Colorado State University	CO	Training Optimization for US Navy and Marine Radio Operations to Assess Cognitive Load and the Managing Extraneous Load	ONR
Oxley, Jimmie	University of Rhode Island	RI	Optical Fiber-Based Time-of Arrival System	AFOSR
Ozcan, Aydogan	University of California, Los Angeles	CA	Two-Photon Polymerization-Based Microfabrication and 3D Printing System for Diffractive Optical Processors	ONR
Ozdemir, Sahin	Pennsylvania State University	PA	Photon Number Resolving Detectors and Cameras for Quantum Plasmonics, Non-Hermitian Dynamics, and Remote Sensing	ARO
Paglione, Johnpierre	University of Maryland, College Park	MD	Elucidating the Role of Chemical Composition in Topological Superconducting Materials and Devices	AFOSR
Pajic, Miroslav	Duke University	NC	Validation Testbed for Trust-Aware Autonomy in Contested Environments	AFOSR
Panagou, Dimitra	University of Michigan	MI	ICARUS: Indoor Center for Autonomy, Robotics and Unmanned Systems	AFOSR
Pantoya, Michelle	Texas Technical University	TX	Analyzing Equilibrium Kinetics of Surface Reactions in Energetic Materials	ARO
Pathikonda, Gokul	Arizona State University	AZ	Volumetric Velocimetry System to Spatio-Temporally Resolve Texture-induced Near-Wall Turbulent Dynamics	AFOSR
Patterson, David	University of California, Santa Barbara	CA	High Resolution Single Molecule Spectroscopy	ARO
Petersen, Alicia	University of Florida	FL	Developing In Situ Space Weather Monitoring Sensors for Small Satellites	AFOSR

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Ping, Jinglei	University of Massachusetts Amherst	MA	Atomic-Scale Two-Dimensional Material Processing System	AFOSR
Pol, Vilas	Purdue University	IN	Facilitating Safer Quasi-Solid State Li-Ion Battery Prototypes at Purdue University	ARO
Pourpoint, Timothee	Purdue University	IN	Long Duration Clean Air Tunnel for Research at Hypersonic Flow Conditions	ONR
Prather, Dennis	University of Delaware	DE	Photonic Integrated Circuit Co-Packaging and integration Center (PIC)2	AFOSR
Prokofjevs, Aleksandrs	North Carolina Agricultural and Technical State University	NC	Mass Spectrometry Facilities at North Carolina A&T State University	AFOSR
Quinn, Daniel	University of Virginia	VA	A World-Class Water Channel for Naval Research at the University of Virginia	ONR
Raghav, Vrishank	Auburn University	AL	Instrumentation for Forward Flight Version of Rotating 3D Velocimetry	ARO
Raman, Ritu	Massachusetts Institute of Technology	MA	Enabling Real-Time 4D Monitoring of Biological Actuators	ARO
Ramirez, Steve	Boston University	MA	Discovering Principles of Memory Storage, Retrieval, and Restoration	AFOSR
Ravichandran, Jayakanth	University of Southern California	CA	Crystal Growth and Processing for Anisotropic and Non-Linear Infrared Materials	ONR
Robinson, Joshua	Pennsylvania State University	PA	A Silicon Carbide Crystal instrumentation Suite (SiCis)	AFOSR
Robison, Matthew	University of Texas at Arlington	TX	Improving Technical Capabilities and Expanding Capacities of Eye-Tracking Equipment for Psychophysiological Research	ONR
Rocca, Jorge	Colorado State University	CO	Ultra-High Power Ultrafast Laser Upgrade for Relativistic Laser-Matter Interactions	AFOSR
Rogers, Ted	University of California, San Diego	CA	Wide Tuning Range Phased Array System for Environmental Characterization and Exploitation	ONR
Saetti, Umberto	University of Maryland	MD	Extended Reality Simulation and Control of Aerospace Vehicles with Brain Activity Monitoring	ONR
Sajda, Paul	Columbia University	NY	An Integrated fMRI-EEG-TMS (fET) Instrument for Causal Analysis of Brain Function	ARO
Sangi Reddy, Pramod	University of Michigan	MI	Millikelvin Cryostat for Probing Near-Field Control of Heat Flow and Superconducting Tunnel Junction Based Solid-State Refrigeration	ARO
Sardashti, Kasra	Clemson University	SC	A Single-Event Analysis System for Multiply-Charged Ion Interaction Physics	AFOSR
Saxton-Fox, Theresa	University of Illinois, Urbana-Champaign	IL	Near-Wall, Three-Dimensional Fluid Measurements for Advanced and Synchronized Fluid-Structure Interaction Characterization	AFOSR
Schaumont, Patrick	Worcester Polytechnic Institute	MA	Sample Preparation for IC Security Assessment	ONR
Schlom, Darrell	Cornell University	NY	Thermal Laser Epitaxy to Unleash Electronic-Grade Cubic Boron Nitride Films	AFOSR
Schubert, Mathias	University of Nebraska-Lincoln	NE	Field-Flattened Optical-Access Split-Coil Cryostat Magnet for THz EPR Ellipsometry	AFOSR
Seferoglu, Hulya	University of Illinois, Chicago	IL	Resource-Constrained Tactical Edge Computing System for Artificial Intelligence and Machine Learning	ARO
Shabani, Javad	New York University	NY	Improving the Yield of Superconductor-Semiconductor Materials Using Fast Photoluminescence and Hall Measurement	ONR
Shamberger, Patrick	Texas A&M University	TX	High Sensitivity Multi-Modal Calorimeter for Advanced Research and Education on Tunable thermal Energy Storage Materials	ONR
Shamma, Shihab	University of Maryland	MD	Intensive EEG Recordings for Decoding of Imagined Speech	AFOSR
Shepherd, Simon	Dartmouth College	NH	SuperDARN Digital Imaging Enhancement to Resolve Smaller Scales and Enable Multi-Mode Operation	ONR
Shi, Jian	Rensselaer Polytechnic Institute	NY	Light-Matter interactions with Spin-Resolved and Twisted Infrared Photons	AFOSR
Shin, Kang	University of Michigan	MI	Advanced Instrumentation for Research on Securing Cyber-Physical System Communication and Control	ARO
Sibener, Steven	University of Chicago	IL	Instrumentation for Probing Dynamic Material interfaces in Extreme Environments	AFOSR
Silevitch, Daniel	California Institute of Technology	CA	Cryogen-Free Dilution Refrigerator for Research on Quantum Magnetism and Correlated Electronic Systems	AFOSR
Slabaugh, Carson	Purdue University	IN	Megahertz Imaging System for Time-Resolved Detonation Diagnostics	AFOSR
Smaldone, Ronald	University of Texas at Dallas	TX	Dynamic Mechanical Analysis of 3D Printable Thermoset Polymers and Composites for Defense Applications	ARO
Smith, Zachary	Massachusetts Institute of Technology	MA	Automated and Parallelized Gas Permeation Testing Apparatus for Rapid Membrane Screening	ONR
Sockalingam, Subramani	University of South Carolina	SC	Tensile Split Hopkinson Pressure Bar for Design and Characterization of Next Generation Heterogeneous Meso-Architected Composite Armor Materials	ARO
Son, Steven	Purdue University	IN	In-Situ Characterization of Combustion and Detonation in Energetics & Multipurpose Characterization of Energetic Materials & Ultra High-Speed Color Imaging of the Combustion and Detonation in Energetics	AFOSR / ARO
Sridhar, Srinath	Brown University	RI	Spatiotemporal Interaction Capture Platform for Intelligent Agents	ONR
Srivastava, Mani	University of California, Los Angeles	CA	Optimizing Neurosymbolic AI/ML Models for Latency, Accuracy, and Robustness on Resource-Constrained Edge Computing Platforms	AFOSR
Stadler, Bethanie	University of Minnesota	MN	Synthesis and Characterization System for Magnetic Nanowire Arrays	AFOSR
Steinberg, Adam	Georgia Institute of Technology	GA	GHz - Rate Imaging System for Study of High - Speed Combustion, Detonations, Explosions, Flows, and Plasmas	AFOSR
Stemmer, Susanne	University of California, Santa Barbara	CA	Cryogen-Free Dilution Refrigerator with Vector Magnet	AFOSR
Strachan, Alejandro	Purdue University	IN	Computational Resources for Multiscale Shock Simulations	AFOSR
Su, Timothy	University of California, Riverside	CA	A Multidisciplinary Approach to Silicon Diamondoids for Molecular Electronics	AFOSR
Swami, Nathan	University of Virginia	VA	High Speed Imaging System for Biofabricated Nanomaterials & Sensing Device Research	AFOSR
Tang, Ming	William Marsh Rice University	TX	Laboratory-Based Submicron 3D X-Ray Imaging to Study Battery Microstructure Evolution Under Thermal Runaway Conditions	AFOSR
Taunay, Pierre-Yves	United States Naval Academy	MD	Thermal-Vacuum Chamber for Miniature Plasma Space Propulsion Research and Cubesat Education	AFOSR
Tehranipoor, Mark	University of Florida	FL	Dual Beam Laser Interferometry and Ferroelectric Analysis for Physical Assurance of In-Memory Computing and Sensing Technologies	AFOSR
Thom, Stephen	University of Maryland, Baltimore	MD	Digital Polymerase Chain Reaction (PCR) Apparatus for ONR Funded Research	ONR
Thomson, Jim	University of Washington	WA	Submersible Unoccupied Aerial Systems (UAS) for Coastal and Estuarine Research	ONR

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research	Awarding Office
Threadgill, James	University of Arizona	AZ	Optical Glass and Precise Mach Number Control for the Transonic Portion of the Arizona Polysonic Wind Tunnel	ARO
Tol, Serife	University of Michigan	MI	3D Scanning Vibrometer System for Measurements of Multi-Dimensional Motion Manifested in Morphing Wings and Metamaterial Structures	ONR
Tossell, Chad	United States Air Force Academy	CO	Synchronizing Collaborations for Human-Autonomy Teaming and Ethical Autonomy Use (CHATEAU)	AFOSR
Truby, Ryan	Northwestern University	IL	3D Printing Cluster for Printed Soft Robots and Robotic Materials	ONR
Tuteja, Anish	University of Michigan	MI	A Unified Testing, Evaluation, Research, and Development Facility for Ice- and Snow-Modulating Materials	ONR
Uline, Mark	University of South Carolina	SC	UofSC Biomedical Engineering Center for Acute Stress and Credibility Assessment	AFOSR
Vasu Sumathi, Subith	University of Central Florida	FL	Dual Frequency Comb Spectroscopy-Based Absorption Diagnostic System for Broadband Ultrafast Time Resolution Measurements	ONR
Voigt, Christopher	Massachusetts Institute of Technology	MA	Integrated Instrumentation to Advance Army Center for Synthetic Biology Workflows	ARO
Vuckovic, Jelena	Leland Stanford Junior University	CA	Hybrid Quantum Technology Using Solid-State Spin Centers	ONR
Walker, Robert	Montana State University	MT	Optical Spectroscopy for Operando Studies of Energy Conversion Chemistry	ONR
Walsh, Alexandra	Texas A&M University	TX	Equipment to Accelerate Studies of the Effects of Electromagnetic Radiation on Living Organisms	AFOSR
Wang, Hai	Leland Stanford Junior University	CA	Electrochemical Characterization for Hybrid Battery-Propellant Processes	AFOSR
Wang, Harris	Columbia University Medical Center	NY	Automated Biobanking for DoD-Relevant Biorepository for Synthetic Biology and Microbial Culturomics	ARO
Wang, Muzhou	Northwestern University	IL	Single Nanometer Resolution Optical Microscope for Imaging Submolecular Nanostructures and Dynamics in Polymers	ARO
Wang, Qi	Columbia University	NY	A Patch-Seq System to Link Enhanced Behavior, Efficient Neuronal Computation, and Transcriptomic Regulation Induced By Neural Stimulation	ARO
Wang, Qing	San Jose State University	CA	Airborne Instruments to Quantify Optical Turbulence, Aerosol, and Surface Wave Impact on Optical Propagation & Radio Frequency Path Characterization System for Research on Quantifying Electromagnetic Wave Propagation	ONR
Wang, Zhaoyang	Catholic University of America	DC	Advanced AI-Powered 3D Sensing: Fast Speed, High Accuracy, Full Field-of-View, and Broad Range Capabilities	ARO
Wang, Zhi	University of Kansas	KS	GPU and Fast Storage Infrastructure for Massively Parallel Scientific Computing and Reduced Order Modeling	AFOSR
Warren, Joseph	SUNY, Stony Brook	NY	Vessel-Based Portable Echosounder System for Improved Interpretation of Gulf of Maine Long Term Monitoring Efforts	ONR
Webb, Kevin	Purdue University	IN	Fast Super-Resolution Optical Sensing	AFOSR
Weih, Timothy	Johns Hopkins University	MD	An Ultrasonic Atomization System for Fabricating Novel Alloyed Reactive Metal Powders and Related Materials	AFOSR
Wetz, David	University of Texas at Arlington	TX	Integration and Study of A Siemens Blue Drive Plus C™ Electric Propulsion/Drive into UTA's IDEAL Distributed Power Generation System	ONR
Wider, Joseph	University of Michigan	MI	Elevating Traumatic Brain Injury Research with Cutting-Edge Microscopy and Clinically Relevant Monitoring	ONR
Will, Sebastian	Columbia University	NY	Control System for Optical Qubits in Programmable Atomic Arrays & Mid-Infrared Laser System for the Observation of Super- and Subradiance in Atomic Tweezer Arrays	AFOSR
Wilson, William	Harvard University	MA	Variable Temperature Optical Scan-Probe Platform for Research on Emergent Quantum Condensed Matter Systems	AFOSR
Won, Sang Hee	University of South Carolina	SC	High Speed Laser Diagnostics for Multiphase Turbulent Combustion of Enabling Fuels for Naval Decarbonization	ONR
Wu, Hongyu	Kansas State University	KS	Development of Cyber-Physical Security Testbed for All-Electric Shipboard Power Systems	ONR
Wyglinski, Alexander	Worcester Polytechnic Institute	MA	Enhancing 5G Security Via Analysis of RF Hardware Characteristics and Spectral Behavior	AFOSR
Xing, Huili	Cornell University	NY	ALD/ALE/LEI System for Advanced Electronic Materials and Devices	ARO
Yacoby, Amir	Harvard University	MA	Research Infrastructure for Novel Electron Qubits	AFOSR
Young, Andrea	University of California, Santa Barbara	CA	Vacuum Deposition System for Nanoscale Thermometry and Magnetometry	ARO
Young, Marcus	University of North Texas	TX	Ex Situ and In Situ Investigation of the Thermomechanical Behavior of Shape Morphing Materials from Room Temperature to Ultra-High Temperatures	ARO
Yucelen, Tansel	University of South Florida	FL	An Experimental Testbed to Develop and Validate Autonomous eVTOL Control Methods for Safe Urban Air Mobility	ARO
Zakhor, Avideh	University of California, Berkeley	CA	Autonomous Navigation of Drones and Robots in Indoor and Outdoor Cluttered Environments	AFOSR
Zanni, Martin	University of Wisconsin	WI	Instrumentation to Perform Mid-Infrared Site-Basis Spectroscopy for Measuring Electronic Delocalization	AFOSR
Zeinolabedinzadeh, Saeed	Arizona State University	AZ	Realtime Oscilloscope for High-Precision Wireless Time Transfer	ONR
Zeng, Kai	George Mason University	VA	Advanced mmWave Testbed for Wireless Communication Security Research and Education	ARO
Zhang, Xinyu	University of California, San Diego	CA	RayNet: A Full-Stack Programmable Experimental Testbed to Support Research in Extremely Heterogeneous Networks	ARO
Zwierlein, Martin	Massachusetts Institute of Technology	MA	Quantum Simulator of Fermionic Atoms and Molecules	ARO