

| Principal Investigator | Institution | State | Brief Description of Instrumentation or Research | Awarding Office |
|---------------------------|--|-------|--|-----------------|
| Agarwal, Ritesh | University of Pennsylvania | PA | DURIP: Magneto-Optical Microscopy Cryostat for Creating and Manipulating Robust Topological States of Polaritonic and Quantum Matter | ONR |
| Alu, Andrea | CUNY - Advanced Science Research Center | NY | Electromagnetic Anechoic Chamber Upgrade for Radio-Frequency Measurements of Electrically Small Antennas | AFOSR |
| Anderson, John | University of Chicago | IL | Quantum Sensing and Imaging Enabled Through a High Sensitivity NIR II Camera | ARO |
| Anlage, Steven | University of Maryland | MD | DURIP: Microwave Source for Coherent Perfect Absorption | ONR |
| Ansell, Troy | Naval Postgraduate School | CA | Expeditionary Powder Fabrication for Additive Manufacturing in a Contested Environment | ONR |
| Appelgate, Bruce | University of California, San Diego | CA | DURIP: Computer Numerical Control (CNC) for Advancement of Oceanographic Research | ONR |
| Asadi Zanjani, Navid | University of Florida | FL | Scanning Microwave Impedance Microscopy for Memory Assurance (SMIM) | ONR |
| Bai, Xiaoli | Rutgers University | NJ | DURIP: Testbed for Autonomous Proximity and Rendezvous Operations (ASPRO) with General Space Objects | AFOSR |
| Ballato, John | Clemson University | SC | DURIP: Understanding Nano-Engineered Optical Fibers for Power-Scaled Fiber Lasers | AFOSR |
| Bao, Wei | Rensselaer Polytechnic Institute | NY | FTIR Spectroscopy Measurement System for Cavity Phononic Quantum Materials | ONR |
| Basov, Dmitri | Columbia University | NY | Development of a Cryogen-Free Quantum Nano-Optical Microscope | AFOSR |
| Baumann-Pickering, Simone | University of California, San Diego | CA | A Low-Power Real-Time Passive Acoustic Triggering System for Autonomous Ocean Observing Technologies | ONR |
| Beese, Allison | Pennsylvania State University | PA | DURIP: Acquisition of a Medium-Scale Arc Melting and Casting System with Atomizer for On-Demand Alloy Synthesis | ONR |
| Bejder, Lars | University of Hawaii | HI | Acquisition of 3 Drones, Batteries and Data Components | ONR |
| Bhattacharya, Samik | University of Central Florida | FL | A Holistic Measurement System for Fluid-Structure Interaction Problems Involving Large Structural Deformations and Massively Separated Flows | AFOSR |
| Bushnell, Linda | University of Washington | WA | DURIP HydraAI: LLM and GenAI Compute Platform to Support Multi-Scale Hydra | AFOSR |
| Caretta, Lucas | Brown University | RI | DURIP: In-Situ Deposition and Measurement System for Solid State Battery Research | ONR |
| Cheuk, Lawrence | Princeton University | NJ | Equipment for Entering the Interacting Quantum Many-Body Regime with Arrays of Laser-Cooled Molecules | AFOSR |
| Collazo, Ramon | North Carolina State University | NC | DURIP: Electron Spectrometer for Semiconductor Transport Measurements | ARO |
| Covey, Jacob | University of Illinois, Urbana-Champaign | IL | DURIP: Modular Quantum Computing with Optical Cavities and Transportable Atom Arrays | ARO |
| Culurciello, Eugenio | Purdue University | IN | DURIP: Humanoid Robot for Robotics Learning and Artificial Intelligence | ONR |
| Cusack, Jesse | Oregon State University | OR | A Microstructure Doppler Velocity Glider and Acoustic Localization Node for Studying Interior Ocean Trajectories (RIOT DRI) | ONR |
| Cyran, Jenée | Boise State University | ID | DURIP: Building a 100 kHz Yb-Based Sum Frequency Generation Spectrometer through the Training of Next Generation Scientists and Engineers | ONR |
| D'Asaro, Eric | University of Washington | WA | DURIP: Deep Lagrangian Floats with Acoustic Tracking for Ocean Interior Observations | ONR |
| Deotare, Parag | University of Michigan | MI | DURIP: Ultra Low-Noise Single Photon Detectors | ARO |
| Dillon, Shen | University of California, Irvine | CA | Microscope for Environmental Extremes | ARO |
| Doolittle, William | Georgia Tech Research Corporation | GA | DURIP: Molecular Beam Epitaxy Upgrades to Enable Revolutionary Extreme Bandgap Semiconductors | ONR |
| Dresselhaus-Marais, Leora | Leland Stanford Junior University | CA | DURIP: Multi-Frame X-ray Imaging of Irreversible Ultrafast Plasticity | AFOSR |
| Eikenberry, Stephen | University of Central Florida | FL | DURIP: Photonic Lantern Imaging and Wavefront Sensing | AFOSR |
| Falson, Joseph | California Institute of Technology | CA | Developing a Testbed for In-Situ Implantation of Ionic Defects into High Purity ZnO | AFOSR |
| Fernando, Harindra | University of Notre Dame | IN | DURIP: A Dual Frequency Ka-W Band FMCW Scanning Radar for Hydrometeorological Research | ONR |
| Forbus, Kenneth | Northwestern University | IL | Symbolic Supercomputer for Artificial Intelligence Research on Software Collaborators | AFOSR |
| Friedlaender, Ari | University of California, Santa Cruz | CA | Quantitative Environmental Sampling Echosounders for ONR-related Coastal Research | ONR |
| Gebbie, Matthew | University of Wisconsin | WI | Electrochemical Atomic Force Microscopy System for In Situ Analysis of Multivalent Anode-Electrolyte Interfaces | ARO |
| Gemba, Kay | Naval Postgraduate School | CA | Pacific Ocean Basin Scale Thermometry to Validate Navy Models | ONR |
| Green, Matthew | Arizona State University | AZ | DURIP: High Strain Rate Tensile System and Impact Tester | ARO |
| Griffin, Robert | University of West Florida | FL | Improved Infrastructure for Fielding Mobile Robots | ONR |
| Grucev, Victor | University of Illinois, Urbana-Champaign | IL | DURIP: Bioinspired Multispectral and Polarization Sensitive Cameras | AFOSR |
| Haefner, Hartmut | University of California, Berkeley | CA | Cryogenic System for Investigating Trapped-Electron Quantum Computing | AFOSR |
| Hodgkiss, William | University of California, San Diego | CA | Water Column Current and Biological Scattering Measurements | ONR |
| Hsieh, Mong-Ying | University of Pennsylvania | PA | DURIP: The Penn Fantastic Beasts Robot Arena | ONR |
| Hudson, Darren | University of Central Florida | FL | DURIP: Ultrashort Pulse Hollow-Core Fiber Lasers in the mid-IR | ONR |
| Hung, Chen-Lung | Purdue University | IN | DURIP: Compact System For Trapped Atom Array-Integration on Nanophotonic Circuits | ONR |
| James, Stephen | Washington State University | WA | Sleep/Wake & Performance Research Laboratory Instrumentation Proposal | ARO |
| Jarrah, Mona | University of California, Los Angeles | CA | Harmonic Mixer and Multiplier Chains for Characterizing Integrated Terahertz Optoelectronics | ONR |
| Jin, Dafei | University of Notre Dame | IN | Atomic Layer Deposition for Superconductor-Semiconductor Hybrid Quantum Devices | AFOSR |
| Johnston, T.M. Shaun | University of California, San Diego | CA | A Mini Trimming System and SOLO-II Floats to Observe Three-Dimensional Trajectories | ONR |
| Kaliat Ramesh, | Johns Hopkins University | MD | Ultra-High-Speed Diagnostics for Hypervelocity Impact Experiments on Elastomers (DURIP) | ONR |
| Kim, Philip | Harvard University | MA | DURIP: Enhancing Electromagnetic Wave Coupling to Topological Quantum States in Low Dimensional Materials | ONR |

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| Kopf, Sebastian | University of Colorado, Boulder | CO | Enabling Transformative Research at CU Boulder with an Orbitrap Liquid Chromatography (LC) Isotope Ratio Mass Spectrometry (IRMS) System | ARO |
| Kunjapur, Aditya | University of Delaware | DE | DURIP: High-Resolution Mass Spectrometry for Biocontainment Research & Education | ONR |
| Laurence, Stuart | University of Maryland | MD | High-Speed Dual-Magnification and Focusing Schlieren Systems for Studies of Hypersonic Turbulence | ARO |
| Lev, Benjamin | Leland Stanford Junior University | CA | DURIP: Creating a Spin-1/2 Quantum Spin Glass through Rydberg-Dressed Multimode Cavity QED | ARO |
| Levin, Michael | Tufts University | MA | DURIP: Facilitating Cross-Kingdom Biophysical Communication | ARO |
| Li, Sheng | University of Virginia | VA | GPU Computing for Enabling Causal Reasoning and Explainable Decision Making on Complex Networks | ONR |
| Liao, Chen-Ting | Indiana University | IN | DURIP: Stabilized Ultrashort Pulsed Laser System for Driving Quantum X-rays | AFOSR |
| Lin, Shiyao | University of Texas at Arlington | TX | DURIP: System to Characterize Damage Tolerance of Composites with Data-rich In-situ Nondestructive Inspection and Digital Twinning | AFOSR |
| Lin, Ying-Tsong | University of California, San Diego | CA | Autonomous Modularized Acoustic Transceiver Systems (AMATS) | ONR |
| Loh, Kenneth | University of California, San Diego | CA | DURIP: Markerless Motion Capture for Shipboard, Outdoor, and Field Assessment of Sailor and Warfighter Physiological Performance | ONR |
| Losert, Wolfgang | University of Maryland | MD | Femtosecond Pulsed Laser for Collective Neural Plasticity Studies | ARO |
| Lowe, Kevin | Virginia Polytechnic Institute and State University | VA | A 7000 LB Thrust Class Turbofan Engine for Propulsion Research and Technology Development | ONR |
| Lucas, Drew | University of California, San Diego | CA | Measuring Mixing on the NOPP Internal Wave Array Mooring | ONR |
| Majumdar, Arka | University of Washington | WA | Testbed for Large-Scale Non-Volatile Programmable Photonics | AFOSR |
| Manicke, Nicholas | Indiana University at Bloomington | IN | DURIP: Ultrahigh Performance Liquid Chromatography - Mass Spectrometry System to Enable Environmental Chemistry and -Omics Research | ARO |
| Matzger, Adam | University of Michigan | MI | DURIP: Elucidating Phase Distribution in Cocrystallizing Multicomponent Mixtures In Situ | ONR |
| McCormack, Scott | University of California, Davis | CA | Light Element Analysis for Ultra-High Temperature Ceramic Thermochemistry | AFOSR |
| McCrink, Matthew | Ohio State University | OH | A Model Positioning System for 3ft x 5ft Battelle Low Speed Wind Tunnel | ONR |
| Merfeld, Daniel | Ohio State University | OH | DURIP 6 Degree-of-Freedom Motion Platform for Human Performance Research, Including Balance, Cybernetics, Impacts of Hypoxia, and More | ONR |
| Meyer, Florian | University of California, San Diego | CA | Sensing Capabilities for Autonomous MCM | ONR |
| Miller, Nicholas | Michigan State University | MI | Test and Evaluation of Millimeter-Wave Systems Subject to Spurious Signals | AFOSR |
| Mohammad Hafezi, | University of Maryland | MD | DURIP: High-Resolution Optical and Electrical Detectors for Nonlinear Topological Photonics | ONR |
| Mohsen Imani, | University of California, Irvine | CA | Integrating AI and Intelligent Sensing for Advanced Naval Operations | ONR |
| Montazami, Reza | Iowa State University of Science and Technology | IA | DURIP: Studying Performance of Soft and Flexible Reactive Chemical Systems Using an RSA-G2 Solid Analyzer Integrated with Precision Electronics | ARO |
| Nayar, Shree | Columbia University | NY | Development of Minimalist Cameras for Lightweight Vision | ONR |
| O'Hern, Corey | Yale University | CT | DURIP: GPU Platform to Enable Computational Studies of the Stress History of Granular Beds | ARO |
| Opila, Elizabeth | University of Virginia | VA | DURIP: Electromagnetic Levitation System for Ultra-High Temperature Ceramics | ARO |
| Peherstorfer, Benjamin | New York University | NY | Computational Mathematics of High-Dimensional Problems with Applications in Science, Engineering, and Artificial Intelligence | ONR |
| Petersen, Christopher | University of Florida | FL | DURIP: Computational Variation for Spacecraft Dynamics Processor | AFOSR |
| Petro, Elaine | Cornell University | NY | Plasma Mass Spectrometry for Novel Molecular Propellants | AFOSR |
| Purwar, Anurag | SUNY, Stony Brook University | NY | DURIP: A Computational and Physical Framework for Rapid Prototyping of Robotics Systems with Embodied Intelligence: From Cobotics | ONR |
| Rajapakse, Indika | University of Michigan | MI | DURIP: Automation in Dynamics and Control of Higher-Order Structures | AFOSR |
| Raman, Venkat | University of Michigan | MI | Enabling Extreme-Scale Computing for Exploratory and Design-oriented Hypersonics Simulations | AFOSR |
| Rausch, Manuel | University of Texas at Austin | TX | A Mechanical Testing Platform to Study the Complex Multiphysics of Soft Material Fatigue Under Multiaxial (and Thermal) Loading | ARO |
| Ravichandran, Jayakanth | University of Southern California | CA | Polarization Resolved Optical and Optoelectronic Characterization of mid-Infrared Responsive Materials | ARO |
| Reichard, Karl | Pennsylvania State University | PA | Environmentally Controlled Battery Test Chamber DURIP | ONR |
| Reihani, Amin | Rutgers University | NJ | Microbolometer DURIP | ONR |
| Russell, Thomas | University of Massachusetts, Amherst | MA | Acquisition of Interfacial Tensiometry System | ARO |
| Rzayev, Javid | SUNY, Buffalo | NY | Characterization of Size and Structure of Polymeric Building Blocks Used for the Preparation of Nanostructured Materials | AFOSR |
| Sabharwal, Ashutosh | William Marsh Rice University | TX | DURIP: Pushing Wireless Frontiers for Next-Gen Wideband Networks via Controlled Experiments and Open-Access Datasets | ARO |
| Sadigh, Dorsa | Leland Stanford Junior University | CA | DURIP: Large Robotics Models: Pre-training, Data Curation, and Adaptation for Generalizable and Robust Autonomy | AFOSR |
| Sahoo, Bibhudatta | SUNY, Buffalo | NY | (M)3-Mixed-Signal Microwave Microelectronics for Intelligent Identification and Interception of Emitters | ONR |
| Schamiloglu, Edl | University of New Mexico | NM | Pulsed Power Electron Beam Driver for Long Pulse High Power Microwave Studies | ONR |
| Shakarian, Paulo | Arizona State University | AZ | Computational Infrastructure for DoD-Focused Metacognitive and Neurosymbolic Artificial Intelligence Research | ARO |
| Shepherd, Joseph | California Institute of Technology | CA | Diagnostic Assessment of Detonation-Drivers for Hypervelocity Expansion Tube Ground Testing | ONR |

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| Smith, Chad | Pennsylvania State University | PA | DURIP to Enhance Measurement Capabilities and Improve Longevity of the THORA | ONR |
| Smith, Madison | Woods Hole Oceanographic Institution | MA | L-band Interrogator for Distributed Acoustic Sensing (DAS) of Active Fibers in Arctic Coastal Zones | ONR |
| Son, Steven | Purdue University | IN | DURIP: High-Pressure Thermal Characterization of Energetic Materials | ARO |
| Stark, Nina | University of Florida | FL | DURIP: ModPen - Modular Free Fall Penetrometer System for Seabed Sediment Testing | ONR |
| Sun, Nian | Northeastern University | MA | DURIP: A New CVD/PVD Integrated System for Ultralow-Damping Magnetic Materials | ONR |
| Swearer, Dayne | Northwestern University | IL | A Broadband, Variable Repetition Rate Ultrafast Laser to Differentiate Nonthermal Reaction Pathways in Model Plasmonic Photocatalysts | AFOSR |
| Szuts, Zoltan | University of Washington | WA | DURIP: Integrating Acoustic Sensors onto Microstructure EM-Apex Profiling Floats for the ONR DRI Experiment RIOT | ONR |
| Terrill, Eric | University of California, San Diego | CA | PN Transmit/Receive Systems for Persistent Travel Time Measurements | ONR |
| Therien, Michael J. | Duke University | NC | Characterization of Chiro-optic and Dynamical Responses of Bespoke Semiconducting Materials for Spin Transport and Long-Wavelength Information Transmission | AFOSR |
| Thode, Aaron | University of California, San Diego | CA | Time-Synchronized Vector Sensor Data Acquisition Modules for Autonomous Platforms | ONR |
| Truby, Ryan | Northwestern University | IL | Digital, Multiscale, Adaptive Assembly Platform for Multifunctional Material Systems | AFOSR |
| Tsukruk, Vladimir | Georgia Tech Research Corporation | GA | Developing a System for Monitoring Dynamic Functional Physical Properties of Flexible Sensory Materials for Robotic and Human Interfaces | AFOSR |
| Vogel, Edward | University of Chicago | IL | DURIP: Real-Time FNIRS & EEG for Tracking Lapses in Attention Control | ONR |
| Ward, Dylan | University of Cincinnati | OH | A Topographic Laser Scanning Uncrewed Aerial Vehicle (Lidar Drone) for Research on Exchanges of Water, Energy, and Mass in Human-Impacted Watersheds | ARO |
| Welch, Gregory | University of Central Florida | FL | DURIP: Hybrid Visualization Testbed for Warfighter Augmented Reality Head-Worn Display Research with High-Ambient Photometric Envi | ONR |
| Williams, Cedric | University of Virginia | VA | DURIP: Optimization of Procedures for Scent Detection Discrimination Learning and Generalization | ARO |
| Yoo, S. J. Ben | University of California, Davis | CA | Enabling Research on Future Neuromorphic Computing, Quantum Science, and Nanoscale Electron Optics | AFOSR |
| Ziviani, Davide | Purdue University | IN | DURIP: Noninvasive Spatiotemporal Measurement of Flow Characteristics in Self-Aware Thermal Management Components | ONR |