

Scouting Report

Federal Grant Opportunities for [a maritime research institution]

February 22, 2023



GRANTEXEC

Funding Opportunities

Total Funding Identified	\$13,300,000
Agencies Included	DOD, DOE, NSF
Next Deadline	3/15/2023

Click on a grant for a detailed analysis of the opportunity.

1. [Physical and Networking Layer Prototype \(PNLP\)](#)
2. [Redefining Possible - DARPA](#)
3. [Naval Engineering Education Consortium \(NEEC\) Port Hueneme for FY23](#)
4. [Sensing Exports of Anthropogenic Carbon through Ocean Observation \(SEA CO2\)](#)
5. [Communications, Circuits, and Sensing-Systems \(CCSS\)](#)

Physical and Networking Layer Prototype (PNLP)

[Click here to view the FOA](#)

Award Amount	\$1,500,000 per year
Number of Awards	4
Matching Requirement	No
Opportunity Status	Active
Posted Date	1/26/2023
Deadline	White Paper: 3/16/2023 Full Proposal: 5/12/2023
GrantExec Summary	<p>The Office of Naval Research (ONR) has announced the Physical and Networking Layer Prototype (PNLP) grant opportunity, seeking proposals for hardware and software development in support of undersea multimodal communications from both manned and unmanned vehicles. The program aims to provide optimized communication between assets, within the undersea environment, and through the air-water interface. Both hardware and software technical solutions are expected to address the ability to ingest and translate distinct communication modalities and optimize them for the presented environment. The opportunity is open to all responsible sources worldwide from academia, industry, and the research community. There is no cost-sharing or matching requirement, and the grant provides for a total of 4 anticipated awards. The grant proposal submission deadline is May 12, 2023, and all relevant information can be found on the provided link.</p>
Eligibility	<p>All responsible sources from academia, industry and the research community worldwide may submit proposals under this BAA. Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to submit proposals and join others in submitting proposals; however, no portion of this BAA will be set aside for HBCUs/MIs, small businesses or other socio-economic participation. All businesses, both small and large, are encouraged to submit proposals and compete for funding consideration.</p>
Funding Office	Office of Naval Research
Contact Information	Veronica Lacey – veronica.y.lacey.civ@us.navy.mil

Redefining Possible - DARPA

[Click here to view the BAA](#)

Award Amount	Up to \$1,000,000
Number of Awards	Multiple
Matching Requirement	No
Opportunity Status	Active
Posted Date	6/11/2022
Deadline	6/21/2023
GrantExec Summary	The Tactical Technology Office (TTO) is seeking executive summaries, proposal abstracts, and proposals for applied research, advanced technology development, platform demonstrations, or systems studies that aim to redefine the future of warfighting across four domains: Air, Ground, Maritime, and Space. Multiple awards are anticipated, and the types of instruments that may be awarded include procurement (FAR-based) contract, grant, cooperative agreement, or other transaction.
Eligibility	All responsible sources capable of satisfying the Government's needs may submit a proposal that shall be considered by DARPA. See the Eligibility Information section of the BAA for more information.
Funding Office	DARPA - Tactical Technology Office
Contact Information	The BAA Coordinator for this effort can be reached via HR001122S0040@darpa.mil , and the DARPA/Tactical Technology Office can be contacted at 675 North Randolph Street, Arlington, VA 22203-2114 or by phone at (571) 218-4893.

Naval Engineering Education Consortium (NEEC) Broad Agency Announcement Port Hueneme for FY23

[Click here to view the BAA](#)

Award Amount	\$150,000 – \$300,000
Number of Awards	Multiple
Matching Requirement	None listed
Opportunity Status	Active
Posted Date	2/16/2023
Deadline	3/15/2023
GrantExec Summary	<p>The Naval Sea Systems Command (NAVSEA) Warfare Centers are soliciting research proposals from colleges and universities for the Navy Education and Training Command (NEEC) on the topic of maritime corrosion awareness, identification, maintenance, control, and mitigation techniques. The aim is to develop an innovative, personalized, and immersive education pedagogy, which includes the use of digital learning techniques like augmented and mixed reality, and Artificial Intelligence/Automated-based corrosion inspection capabilities. The research should also consider a student/user-centered approach tailored to the unique environment, job type, and position, both synchronous and asynchronous learning methods. This Broad Agency Announcement (BAA) is only open to colleges and universities. However, proposals from Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to join others in submitting proposals. Federally Funded Research & Development Centers (FFRDCs), Navy laboratories, warfare centers, other Department of Defense, civilian agency laboratories, and University Affiliated Research Centers (UARCs) are not eligible to submit proposals under this BAA.</p>
Eligibility	Public and State controlled institutions of higher education, Private institutions of higher education
Funding Office	Naval Surface Warfare Centers – Indian Head
Contact Information	<p>Jessica D Scalfaro Phone 301-744-6614 jessica.scalfaro@navy.mil</p>

Sensing Exports of Anthropogenic Carbon through Ocean Observation (SEA CO2)

[Click here to view the FOA](#)

Award Amount	\$500,000 – \$10,000,000
Number of Awards	12
Matching Requirement	Yes – 20%
Opportunity Status	Active
Posted Date	2/16/2023
Deadline	4/4/2023
GrantExec Summary	<p>The US Department of Energy's Advanced Research Projects Agency-Energy (ARPA-E) is offering a federal grant through its "Sensing Exports of Anthropogenic Carbon through Ocean Observation (SEA CO2)" Funding Opportunity Announcement (FOA). The FOA seeks to develop scalable Measurement, Reporting and Validation (MRV) technologies to accelerate the development of the marine carbon dioxide removal (mCDR) industry. To achieve this, the FOA requires a paradigm shift in chemical oceanographic data collection, moving towards a goal of persistent sensing of parameters across large areas and volumes. The FOA expects a total of 12 awards with a total program funding of \$45,000,000. Eligibility is unrestricted and the award floor is \$500,000, with an award ceiling of \$10,000,000. Interested applicants must register with and submit application materials through ARPA-E eXCHANGE, and no concept papers submitted through other means will be reviewed or considered. The deadline for application submission is April 4th, 2023.</p>
Eligibility	For-profit entities, educational institutions, and nonprofits that are incorporated in the United States, including U.S. territories, are eligible to apply for funding as a Standalone Applicant, as the lead organization for a Project Team, or as a member of a Project Team.
Funding Office	Advanced Research Projects Agency Energy
Contact Information	ARPA-E personnel and our support contractors are prohibited from communicating (in writing or otherwise) with Applicants regarding the FOA. This "quiet period" remains in effect until ARPA-E's public announcement of its project selections. During the "quiet period," Applicants are required to submit all questions regarding this FOA to ARPA-E-CO@hq.doe.gov . Questions and Answers (Q&As) about ARPA-E and the FOA are available at http://arpa-e.energy.gov/faq .

Communications, Circuits, and Sensing-Systems (CCSS)

[Click here to view the Opportunity](#)

Award Amount	\$165,000 – \$500,000
Number of Awards	Multiple
Matching Requirement	No
Opportunity Status	Active
Posted Date	2/17/2023
Deadline	Rolling – proposals accepted anytime.
GrantExec Summary	<p>This program supports research in circuit and system hardware, as well as signal processing techniques, system and network architectures for communications and sensing, and the development of next-generation cyber-physical systems. The CCSS invests in micro- and nano-electromechanical systems, physical, chemical, and biological sensing systems, neurotechnologies, and communication sensing circuits and systems. Research proposals are encouraged based on emerging technologies and applications, including personalized health monitoring and assistance, secured wireless connectivity and sensing for the Internet of Things, and dynamic-data-enabled autonomous systems through real-time sensing and learning. This grant opportunity covers a wide range of topics, including healthcare, medicine, environmental and biological monitoring, communications, disaster mitigation, homeland security, intelligent transportation, manufacturing, energy, and smart buildings.</p>
Eligibility	<p>Unrestricted– typically universities.</p> <p>View previous recipients</p>
Funding Office	National Science Foundation
Contact Information	<p>Huaiyu Dai hdai@nsf.gov (703) 292-8339 Jenshan Lin jenlin@nsf.gov (703) 292-7360 Rosa (Ale) Lukaszew rlukasze@nsf.gov (703) 292-8103 Svetlana Tatic-Lucic staticlu@nsf.gov (703) 292-4627</p>