

Science/Technology/Engineering/Math 11/01/2024

Funding Opportunity:

Aggressive Embedded Propulsion and Operability (AEPO)

FON:

FA2391-23-S-2403

Agency:

Defense

Item:

Notice seeking proposals to develop advanced computational tools and processes for the design of a fan module in an embedded propulsion installation. This is part of the Pioneering Aerospace Capabilities, Engineering and Research program.

Action:

Proposals are due December 27, 2024. An estimated \$19 million is available to fund one or more awards.

Links:

[Contract Opportunities](#)

Contact:

Peter Seiley, Email: peter.seiley@us.af.mil

Funding Opportunity:

CHIPS AI-AE for Rapid, Industry-informed Sustainable Semiconductor Materials and Processes (CARISSMA) Competition

FON:

2025-NIST-CHIPS-AIAE-SUSTAINABILITY-01

Agency:

Commerce

Item:

Notice seeking proposals for industry-informed, university-based artificial intelligence-powered autonomous experimentation (AI/AE) collaborations, including research and development, education and workforce development, and related activities relevant to sustainable semiconductor materials and processes.

Action:

Required concept papers are due January 13, 2025. An estimated \$100 million is available to fund multiple awards.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Email: research@chips.gov with "2025-NIST-CHIPS-AIAE-Sustainability-01" in the subject line

Funding Opportunity:

Information Innovation Office (I2O) Office-Wide

FON:

HR001125S0002

Agency:

Defense

Item:

Notice seeking proposals for roundbreaking science and develops transformational capabilities in the informational and computational spheres to surprise adversaries and maintain enduring advantages for national security.

Action:

Abstracts are encouraged and due any time until October 1, 2025. Proposals are due any time until October 29, 2025. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)
[Contract Opportunities](#)

Contact:

Email: HR001125S0002@darpa.mil

Funding Opportunity:

NOAA's Restoring Fish Passage through Barrier Removal Grants Under the Bipartisan Infrastructure Law- Round 3

FON:

NOAA-NMFS-HCPO-2025-29043

Agency:

Commerce

Item:

Notice seeking proposals to provide federal financial and technical assistance to locally led fish passage through removals of dams and other in-stream barriers for native migratory or sea-run fish. Funding will be used for fish passage that rebuilds productive and sustainable fisheries; contributes to the recovery and conservation of threatened and endangered species; enhances watershed health; promotes resilient ecosystems and communities, especially for underserved communities; and improves economic vitality, including local employment.

Action:

Proposals are due February 10, 2025. An estimated \$75 millions is available to fund multiple awards.

Links:

[Grants.gov](https://www.grants.gov)
[Agency Site](#)

Contact:

Melanie Gange, 301-427-8664. Email: fish.passage.grants@noaa.gov

Funding Opportunity:

Superior Options for Long-life Solar Technologies with Impressive (SOLSTICE)

FON:

DOI-BAA-SOLSTICE-FY25-01

Agency:

Interior, DNI

Item:

Notice seeking proposals to develop novel solar-powered and hybrid solar-powered systems with significantly higher power density than existing technologies. The SOLSTICE program consists of the following two Technical Tracks: Space-based Energy Conversion Systems and Terrestrial surface-based Energy Conversion Systems.

Action:

White papers are strongly encouraged and due December 9, 2024. Proposals are due January 27, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: IARPA_DOI_SOLSTICE@IBC.DOI.Gov

Science/Technology/Engineering/Math 10/29/2024

Funding Opportunity:

Build and Broaden: Enhancing Social, Behavioral and Economic Science Research and Capacity at Minority-Serving Institutions

FON:

25-505

Agency:

National Science Foundation

Item:

Notice seeking proposals to support fundamental research and research capacity across disciplines at minority-serving institutions (MSIs) and/or research collaborations with scholars at MSIs. With its emphasis on broadening participation, SBE offers Build and Broaden in order to increase proposal submissions, advance research collaborations and networks involving MSI scholars, and support research activities in the Social, Behavioral, and Economic (SBE) sciences at MSIs. Proposals that outline research projects that increase students' pursuit of graduate training, enhance PI productivity build research capacity, or cultivate partnerships are especially encouraged to apply. Proposals are invited from single principal investigators based at MSIs and from multiple co-investigators from groups of MSIs. Principal investigators who are not affiliated with MSIs may submit proposals, but must collaborate with PIs, co-PIs, or senior/key personnel from MSIs and describe how their project will foster research partnerships or capacity-building with at least one MSI as a primary goal of the proposed work.

Action:

Proposals are due January 23, 2025. An estimated \$8 million is available to fund up to 30 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Jorge Valdes Kroff, 703-292-7902. Email: jvaldesk@nsf.gov

Funding Opportunity:

Build Partner Capabilities to Protect Semiconductor and CHIPS Technology

FON:

DFOP0016987

Agency:

State

Item:

Notice seeking proposals for projects to build and protect semiconductor technology. Semiconductors are critical components in a most of today's electronic devices. Semiconductors are also a critical input for the development of military technologies, WMD and WMD delivery system related technologies, and technologies with potential dual-uses – such as artificial intelligence. Especially important, will be to address the challenge that a significant number of international government, public and private research organizations, companies, and manufacturing organizations are unaware of the dual-use applications of semiconductors and remain vulnerable to theft and loss of semiconductors, related research, data, IP, knowledge and talent that can be leveraged for military end uses.

Action:

Proposals are due January 17, 2025. An estimated \$30 million is available to fund up to five awards.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Email: cmet@state.gov

Funding Opportunity:

FY2025 Sea Grant Aquaculture Internship Programs

FON:

NOAA-OAR-SG-2025-28993

Agency:

Commerce, Commerce

Item:

Notice seeking proposals for aquaculture internship programs. The goal is to provide commercial aquaculture experience for students (attending high school, undergraduate, or graduate school, including community colleges) and other interested individuals at partnering aquaculture operations. Successful proposals will provide hands-on, practical aquaculture work experience. Funds should be utilized, in part, to fund salaries of interns, intern housing and transportation expenses as

appropriate. Successful programs will provide interns with exposure to a variety of tasks associated with the operation of partnering aquaculture-related operations either public or private; enhance future employment opportunities and professional development; demonstrate significant partnership with the aquaculture community; and require documentation/reporting from interns and participating partners regarding internships. Participation of students enrolled in Minority Serving Institutions (MSIs) is encouraged.

Action:

Proposals are due January 29, 2025. An estimated \$1.5 million is available for awards ranging from \$100,000 - \$500,000 for up to two years.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Chuck Weirich. Email: oar.hq.sg.aquaculture@noaa.gov

Funding Opportunity:

Precision Measurement Grant Program

FON:

2025-NIST-PMGP-01

Agency:

Commerce, Commerce

Item:

Notice seeking applications for research work in the field of fundamental measurement, testing the basic laws of physics, and/or the determination of fundamental constants, with emphasis on pressing problems or emerging opportunities.

Action:

Preapplications are due February 3, 2025. Full applications by invitation are due May 21, 2025. Award amounts are up to \$50,000 a year for up to three years.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Joseph Tan, 301-975-8985. Email: joseph.tan@nist.gov

Funding Opportunity:

Quantum Computing for Computational Chemistry (QC3 and QC3 SBIR STTR)

FON:

DE-FOA-0003482 (QC3); DE-FOA-0003483 (QC3 SBIR STTR)

Agency:

Energy

Item:

Notices seeking concept papers for research and development of scalable quantum algorithms for chemistry and materials simulations for energy applications.

Action:

Required concept papers are due November 21, 2024. Estimated \$30 million is available to fund 5 to 10 awards. SBIR/STTR eligibility is limited to small businesses but colleges and universities may collaborate.

Links:

[Grants.gov](#)
[Grants.gov](#)
[Agency Site](#)

Contact:

Email: ARPA-E-CO@hq.doe.gov

Meeting:

Science Advisory Board

FON:

Agency:

Commerce

Item:

Notice seeking participation in a virtual public meeting. The meeting agenda will include, but is not limited to, the following: the Science Advisory Board Consent Calendar, Working Group updates, and updates from NOAA.

Action:

The meeting will be held November 12-13, 2024. Written comments must be received by November 5, 2024. Registration to participate in the meeting is required and can be completed on the agency website.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Casey Stewart, 240-381-0833. Email: noaa.scienceadvisoryboard@noaa.gov

Science/Technology/Engineering/Math 10/25/2024

Funding Opportunity:

Advanced Hydrogen and Fuel Cell Technologies to Drive National Goals

FON:

DE-FOA-0003439

Agency:

Energy

Item:

Notice seeking proposals for pushing the frontiers of science and engineering and catalyzing clean energy jobs through research, development, demonstration, and deployment.

Action:

Required concept papers are due November 20, 2024. Proposals are due January 31, 2025. An estimated \$46 million is available to fund up to 22 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Email: H2FCFOA@ee.doe.gov

Funding Opportunity:

NIMBLE Ultrafast microSystems (NIMBUS)

FON:

DARPA-PA-24-04-03

Agency:

Defense

Item:

Notice seeking proposals to demonstrate tethered resonant systems that operate just below the mechanical fracture velocity of the micro-electromechanical systems (MEMS) technology platform. For inertial sensors such as gyroscopes or resonant accelerometers, the scale-factor is directly proportional to proof-mass velocity. This is a Disruption Opportunity.

Action:

Proposals are due December 16, 2024.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Sunil Bhawe, Email: NIMBUS@darpa.mil

Funding Opportunity:

Organismal Response to Climate Change

FON:

25-504

Agency:

National Science Foundation

Item:

Notice seeking proposals that integrate the study of organismal mechanisms of response to climate change (ORCC) with eco-evolutionary approaches to better predict and mitigate the effects of a rapidly changing climate on earth's living systems.

Action:

Proposals are due January 23, 2025. An estimated \$15 million is available to fund 15 to 20 awards.

Links:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

Contact:

Patrick Abbot, 703-292-4740. Email: bio-orcc@nsf.gov

Funding Opportunity:

Young Faculty Award (YFA) 2025

FON:

DARPARA2501

Agency:

Defense

Item:

Notice seeking proposals to identify and engage rising stars in junior research positions in academia and equivalent positions at non-profit research institutions, particularly those without prior DARPA funding, to expose them to Department of Defense (DoD) needs and DARPA's mission to create and prevent technological surprise for national security. The YFA program will provide high-impact funding to researchers early in their careers to develop innovative new research that enables transformative DoD capabilities.

Action:

Executive Summaries are strongly encouraged and due November 18, 2024. Proposals are due February 5, 2025. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

Contact:

Questions, Email: YFA2025@darpa.mil

Meeting:

Announcement of Advisory Council for Climate Adaptation Science Meeting

FON:

Agency:

Interior

Item:

Notice announcing a meeting of the Advisory Council for Climate Adaptation Science (ACCAS). Agenda topics will cover (a) subcommittee progress (if any) since the previous full-Council meeting; (b) discussion of key items on the horizon for the CASCs; (c) development and discussion of next key priorities and workplan for the ACCAS; (d) changes to or development of new subcommittees; (e) process for upcoming membership nominations and charter renewal. The final agenda will be made available in advance of the meeting at: <https://www.usgs.gov/programs/climate-adaptation-science-centers/advisory-council-climate-adaptation-science>.

Action:

The meeting will be held in person on Wednesday, November 13, 2024, from 8:30 a.m. to 5 p.m., and on Thursday, November 14, 2024, from 8:30 a.m. to 3 p.m. CT. The meeting will be held at the University of Minnesota Campus Club, 403 Coffman Memorial Union, 300 Washington Avenue SE, Minneapolis, MN.

Links:

[Federal Register](#)

Contact:

Isabella Ullerick, 571-477-4309. Email: iullerick@usgs.gov

Meeting:

NASA STEM Engagement Committee

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the STEM Engagement Committee of the NASA Advisory Council. The agenda for the meeting includes the following topics: Opening Remarks by Chair and NASA STEM Engagement Update.

Action:

The meeting will be held Friday, November 15, 2024, 11:00 a.m.-3:00 p.m. ET

Links:

[Federal Register](#)

Contact:

Tara Strang, 216-410-4335. Email: tara.m.strang@nasa.gov

Meeting:

Quantum Sensing of Neutrinos (QuSeN) Proposers Day

FON:

DARPA-SN-25-09

Agency:

Defense

Item:

Notice announcing a proposers day for the Quantum Sensing of Neutrinos (QuSeN) program. The Quantum Sensing of Neutrinos (QuSeN) program aims to develop neutrino detectors with greatly increased performance for detection of neutrinos from sources such as nuclear reactors and nuclear materials. Detectors will make use of neutrino-matter interactions that produce relatively low-energy nuclear recoils and athermal phonons in absorber materials with high neutron numbers at the (multi)-kilogram scale.

Action:

The proposers' day will be held virtually on November 12, 2024, from 11:00 a.m. to 5:00 p.m. (Eastern Time). Advance registration is required for participation in the webcast and due by November 7, 2024.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Thomas Schenkel, Email: QuSeN@darpa.mil

Science/Technology/Engineering/Math 10/22/2024

Funding Opportunity:

FY2025 National Aquaculture Initiative: Strengthening U.S. Coastal, Marine, and Great Lakes Aquaculture Through Business Support

FON:

NOAA-OAR-SG-2025-28975

Agency:

Commerce

Item:

Notice seeking proposals for broad, non-proprietary research to address topics and issues relevant to the support of new and existing aquaculture businesses and to make that information available to the U.S. aquaculture community. Projects should be focused on supporting businesses that will be or are now involved with aquatic species currently being produced on a commercial scale in the U.S. Proposals will preferably include participation and involvement of Sea Grant extension personnel and industry stakeholders. Contact information for Sea Grant Programs can be found at the agency site.

Action:

Required letters of intent are due December 4, 2024. Proposals are due February 12, 2025. An estimated \$5 million is available to fund multiple awards ranging from \$100,000 to \$1 million each to support projects lasting up to three years. Cost share of at least 50 percent is required.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Chuck Weirich or Mark Rath,

Email: oar.hq.sg.aquaculture@noaa.gov. Include the competition title in the subject line.

Funding Opportunity:

NASA Established Program to Stimulate Competitive Research (EPSCoR) Basic Research

FON:

NNH24ZHA003C-EPSCOR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals from specified states and territories, that will result in awards to establish research activities that will make significant contributions to NASA's strategic research and technology development priorities and contribute to the overall research infrastructure, science, and technology capabilities of higher education. Awards resulting from successful proposals will also contribute to the economic development of the jurisdiction receiving funding. Each funded NASA EPSCoR proposer shall work closely with a NASA researcher to focus on developing competitive research and technology for the solution of scientific and technical issues of importance to the NASA Mission Directorates, Centers, and NASA's Jet Propulsion Laboratory.

Action:

Proposals are due January 29, 2025. Awards are up to \$750,000. Multiple awards anticipated. See listing for eligible jurisdictions.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Kathleen Loftin, 321-603-9971. Email: kathleen.b.loftin@nasa.gov

Funding Opportunity:

National Advanced Packaging Manufacturing Program (NAPMP) Advanced Packaging Research and Development (R&D)

FON:

2025-NIST-CHIPS-NAPMP-01

Agency:

Commerce

Item:

Notice seeking concept papers for research and development activities that will establish and accelerate domestic semiconductor advanced packaging. Because high performance computing and low-power electronics are needed for artificial intelligence and require leap-ahead advances in semiconductor advanced packaging, specific areas of interest are: (1) Equipment, Tools, Processes, and Process

Integration; (2) Power Delivery and Thermal Management; (3) Connector Technology, including Photonics and Radio Frequency (RF); (4) Chiplets Ecosystem; and (5) Co-design/Electronic Design Automation (EDA).

Action:

Concept papers are due December 20, 2024. Award amounts range from \$10 million to \$150 million over a a 5 year project period.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Lisa Ko. Email: NOFO@nist.gov

Funding Opportunity:

ROSES 2024: A.61 INjected Smoke and PYRocumulonimbus Experiment Science Team

FON:

NNH24ZDA001N-INSPYRE

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to provide the measurements and modeling required to address several critical gaps and uncertainties related to pyroconvection in the following topic areas: understanding plume dynamics linked to high-intensity fire behavior and pyrocumulonimbus (pyroCb) development; quantifying the impact of pyroCb smoke on regional and global-scale radiative forcing; including pyroCb dynamics and ensuing smoke plumes into current Earth System Models; improving fire and pyroCb monitoring from space; and advancing forecasts of pyroCb development for fire managers and community safety. PyroCbs are a poorly-understood and inadequately-predicted severe weather phenomenon driven by large and intense fires and specific meteorological conditions. These fire-generated clouds are linked to extreme fire behavior that impedes firefighting.

Action:

Optional notices of intent are due December 6, 2024. Proposals are due January 24, 2025. Up to 16 awards ranging up to \$5 million each are available, depending on project type, to support projects lasting up to five years.

Links:

[Grants.gov Solicitation](#)

Contact:

Will McCarty, 202-358-0257. Email: Will.McCarty@nasa.gov

Meeting:

Advisory Committee for International Science and Engineering

FON:

Agency:

National Science Foundation

Item:

Notice announcing a virtual public meeting. The agenda will include providing advice, recommendations, and counsel on major goals and policies pertaining to international science and engineering programs and activities.

Action:

The meeting will be held November 13, 2024. Registration is required at least 48 hours prior to the meeting.

Links:

[Federal Register Agency Site](#)

Contact:

Elena Hillenburg, 703-292-2993.

Notice:

Generally Unconstrained Intelligence Drug Engineering (GUIDE) collaboration between U.S. interagency, academic and industry partners

FON:

W911SR-25-S-GUIDE

Agency:

Defense, Defense

Item:

Notice seeking participants, interested in research project participation with the Joint Project Lead Chemical, Biological, Radiological, and Nuclear Defense Enabling Biotechnologies (JPL-CBRND-EB) (JPL EB). GUIDE impacts the discovery and design of biological products, for example: monoclonal antibodies and vaccines, and is a collaboration between US agencies, academic, and industry partners. Entities wishing to participate shall submit an email requesting participation to the primary point of contact demonstrating technical relevancy and recency in development of medical countermeasures.

Action:

Participants must indicate interest to the primary contact listed in the contract opportunity, and inquiries are being received on a rolling basis.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Richard Totten. Email: Richard.w.totten2.civ@army.mil

Science/Technology/Engineering/Math 10/18/2024

Funding Opportunity:

Artificial Intelligence and Machine Learning Applied to Nuclear Science and Technology

FON:

DE-FOA-0003458

Agency:

Energy

Item:

Notice seeking proposals for research and development (R&D) efforts directed at artificial intelligence (AI) and machine learning (ML) for autonomous optimization and control of accelerators and detectors of relevance to current or next generation NP accelerator facilities and scientific instrumentation, as well as applications applying AI/ML to advance nuclear physics computations.

Action:

Required letters of intent are due November 14, 2024. Proposals are due January 14, 2025. Awards range from \$200,000 to \$3.5 million.

Links:

[Grants.gov
Solicitation](#)

Contact:

Manouchehr Farkhondeh, 301-903-4398. Email:

manouchehr.farkhondeh@science.doe.gov

Funding Opportunity:

Generation III+ Small Modular Reactor Pathway to Deployment

FON:

DE-FOA-0003485

Agency:

Energy

Item:

Notice seeking proposals that offers critical opportunities to spur “first mover” teams to deploy the first Gen III+ SMRs in the United States (U.S.) and to provide funding for “fast follower” deployment support, which will address key gaps that have hindered the domestic nuclear industry.

Action:

Proposals are due January 17, 2025. An estimated \$900 million is available to fund multiple awards. Cost sharing is required.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Email Gen3PlusSMR@hq.doe.gov

Funding Opportunity:

Genomics - Enabled Understanding and Advancing Knowledge on Plant Gene Function(s)

FON:

DE-FOA-0003452

Agency:

Energy

Item:

Notice seeking proposals to understand regulatory elements, biological mechanisms and develop predictive models for dissecting multigene traits and their component parts that govern plant growth under different growing conditions, biochemical and signaling pathways; understand genetic components and molecular mechanisms underlying plant regeneration/organogenesis in tissue culture to improve heterologous DNA transfer to germlines of bioenergy crops; and understand genetic and molecular mechanisms that will reduce the cycle time for out-crossing energy crops (e.g. self-incompatibility) to speed development of new plant feedstocks underpinning a more broader and more competitive U.S. bioeconomy. One pre-application and application per institution.

Action:

Required pre-proposals are due December 2, 2024. Proposals are due February 10, 2025. An estimated \$25 million is available to fund 10 awards.

Links:

[Grants.gov](#)
[Solicitation](#)
[Agency Site](#)

Contact:

Office of Science, Email: SC.GrantsandContracts@science.doe.gov

Funding Opportunity:

Inspiring Generations of New Innovators to Impact Technologies in Energy (IGNIITE) 2025

FON:

DE-FOA-0003477

Agency:

Energy

Item:

Notice seeking proposals to support early-career innovators seeking to convert disruptive and unconventional ideas into impactful new technologies across the full spectrum of energy applications. The program aims to empower these early-career scientists and engineers in becoming independent researchers and unleashing their creativity to address the urgent energy-related challenges our society currently faces.

Action:

Concept papers are due November 15, 2024. An estimated \$10 million is available to fund multiple awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Questions, Email: ARPA-E-CO@hq.doe.gov (with NOFO name and number in subject line)

Funding Opportunity:

Microsystems Exploration

FON:

DARPA-PA-25-01

Agency:

Defense

Item:

Notice seeking proposals to develop high-risk, high-reward technologies that enable revolutionary advances in materials, devices, and microsystems and continue DARPA's mission of creating and preventing strategic surprise. In order to capitalize rapidly on new opportunities, DARPA announces the Microsystems Exploration program which calls for faster responses with smaller, targeted investments.

Action:

Proposals are due any time until October 15, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Whitney Mason. Email: DARPA-PA-25-01@darpa.mil

Funding Opportunity:

NSWC Dahlgren BAA

FON:

N00178-25-0002

Agency:

Defense

Item:

Notice seeking proposals for College - University Student and Faculty Research Projects; College - University Student Capstone and Senior Research Projects; and other technology areas. The primary goal of these projects is to develop student interests in Naval engineering with potential of future employment.

Action:

Proposals accepted through October 14, 2025. Awards range from \$2,500 to \$3.5 million.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Courtney Buckmaster-West, 540-634-0618. Email: courtney.e.buckmaster-west.civ@us.navy.mil

Funding Opportunity:

ROSES 2024: D.21 U.S. Contributions to Ariel Preparatory Science

FON:

NNH24ZDA001N-USCAPS

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to enable U.S. community involvement in science investigations that support preparations for the European Space Agency's Ariel mission.

Action:

Required notices of intent are due December 12, 2024. Proposals are due February 4, 2025. Multiple awards expected.

Links:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

Contact:

Hannah Jang-Condell, Email: Hannah.Jang-Condell@nasa.gov

Science/Technology/Engineering/Math 10/15/2024

Funding Opportunity:

Addressing Systems Challenges through Engineering Teams

FON:

25-503

Agency:

National Science Foundation

Item:

Notice seeking proposals from interdisciplinary teams of researchers for enabling and transformative engineering research at the nano, micro, and macro scales that fuels progress in engineering system applications with high societal impact. This includes fundamental engineering research underlying advanced devices and components and their seamless penetration in communications, sensing, power, controls, networking, or cyber systems. The research is envisioned to be empowered by cutting-edge computation, synthesis, evaluation, and analysis technologies and is to result in significant impact for a variety of application domains in healthcare, homeland security, disaster mitigation, telecommunications, energy, environment, transportation, manufacturing, and other systems-related areas.

Action:

Proposals are due January 22, 2025. An estimated \$9 million is available to fund six to nine four-year awards ranging from \$1 million to \$1.5 million each.

Links:

[Grants.gov](https://grants.gov)

[Agency Site](#)

Contact:

Jenshan Lin, 703-292-7360. Email: jenlin@nsf.gov

Funding Opportunity:

Cultural Anthropology Program Senior Research Awards

FON:

25-502

Agency:

National Science Foundation

Item:

Notice seeking proposals supporting fundamental, systematic anthropological research and training to increase understanding of the causes, consequences and complexities of human social and cultural variability. The Cultural Anthropology Program welcomes proposals from researchers in all sub-fields of cultural anthropology and research at any temporal or spatial scale.

Action:

Proposals are due January 15 and August 15 annually. An estimated \$4 million is available to fund up to 40 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Jeffrey W. Mantz, 703-292-7783. Email: jmantz@nsf.gov

Funding Opportunity:

FY25 Minerva Research Initiative University Research Program

FON:

HQ003425NFOEASD01

Agency:

Defense

Item:

Notice seeking proposals to support innovative basic research projects that contribute to the advancement of social science and provides new methods and understandings on social and behavioral questions of security and defense-related interest.

Action:

White papers are strongly encouraged and due November 29, 2024. Proposals are due February 28, 2025. An estimated \$30 million is available to fund 15 awards.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

David Montgomery. Email: David.w.montgomery61.civ@mail.mil

Funding Opportunity:

Groundwater and Streamflow Information Program, National Ground-Water Monitoring Network

FON:

G25AS00001

Agency:

Interior

Item:

Notice seeking proposals to support connecting new data providers to the National Ground-Water Monitoring Network (NGWMN) and to support existing data providers to maintain persistent data service and to enhance the NGWMN.

Action:

Proposals are due January 16, 2025. An estimated \$1.7 million is available for awards ranging from \$5,000 to \$300,000. Eligibility is limited to state and local governments but opportunities may exist for colleges and universities to collaborate.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Sara Roser, Email: sroser@usgs.gov

Funding Opportunity:

Human-AI Communication for Deontic Reasoning Devops (CODORD)

FON:

DARPA-PA-24-04-01

Agency:

Defense

Item:

Notice seeking proposals to create new AI-based techniques for humans to author knowledge about deontics (obligations, permissions, and prohibitions) into an expressively flexible logical language (that has strong capabilities for automated reasoning), in an automated rather than manual fashion and using natural language (NL, e.g., English) rather than only logical language.

Action:

Proposals are due December 10, 2024. Abstracts are strongly encouraged and due October 31, 2024. The total award amount is limited to \$2 million.

Links:

[Contract Opportunities](#)

Contact:

Benjamin Grosf. Email: CODORD@darpa.mil

Funding Opportunity:

MEP Center State Competition

FON:

2025-NIST-MEP-01

Agency:

Commerce

Item:

Notice seeking proposals to establish and operate an MEP Center in one of the following states: Texas, Tennessee, New Hampshire, Oklahoma, Michigan, Virginia, Connecticut, North Carolina, Oregon, Colorado, and Indiana.

Action:

Proposals are due January 9, 2024. 11 awards are anticipated.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Bryana Head, Email: mepnofo@nist.gov

Notice:

Request for Information (RFI) Plant Genetic Engineering for Energy Applications

FON:

DE-FOA-0003470

Agency:

Energy

Item:

Notice seeking input for a potential ARPA-E program focused on the development of tools to enable plant genetic engineering and synthetic biology. Input is sought from a variety of potential stakeholders including plant scientists, plant geneticists, molecular biologists, synthetic biologists, crop breeders, and robotics and machine learning engineers. Additionally, ARPA-E seeks input from other stakeholders in the

plant biotechnology ecosystem, including seed producers, growers, plant transformation centers, and biotechnology companies.

Action:

Responses are due to the contact by November 11, 2024.

Links:

[Grants.gov](#)

[Solicitation](#)

[Agency Site](#)

Contact:

Email: ARPA-E-RFI@hq.doe.gov

Science/Technology/Engineering/Math 10/11/2024

Funding Opportunity:

FY 2024 – 2026 Broad Agency Announcement (BAA), Office of Oceanic and Atmospheric Research (OAR)

FON:

NOAA-OAR-CPO-2024-28363

Agency:

Commerce

Item:

Notice seeking proposals for special projects and programs associated with NOAA's strategic plan and mission goals. Each NOAA Line Office that supports financial assistance (National Marine Fisheries Service, National Ocean Service, National Weather Service, Office of Atmospheric Research, Office of Education, and National Environmental Satellite Data Information Service) has a separate announcement, so applicants should submit their application to the BAA for the Line Office that best fits their application. Agency priorities include: ocean exploration, climate adaptation and mitigation, healthy oceans, and resilient coastal communities and economies.

Action:

Proposals will be received on a rolling basis until September 30, 2026.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Diane Brown. Email: diane.brown@noaa.gov

Funding Opportunity:

National Bycatch Reduction Engineering Program (BREP) - FY2025

FON:

NOAA-NMFS-FHQ-2025-28846

Agency:

Commerce

Item:

Notice seeking proposals for projects developing technological solutions and changes in fishing practices designed to minimize the bycatch of fish and protected species, including Endangered Species Act-listed fish, marine mammals, seabirds, and sea turtles, and to reduce impacts to invertebrates, including sponges, deep-sea corals, and shallow, tropical corals. Additionally, projects that pursue ways to minimize mortality and injury of bycaught species, including post-release injury and mortality may be considered.

Action:

Required pre-proposals are due December 13, 2024. Full proposals are due March 21, 2025. An estimated \$2.3 million is available to fund 10-15 awards at amounts ranging from \$50,000 - \$350,000 to support projects lasting up to 18 months.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Justin Pearce, 301-427-8521. Email: NMFS.HQ.BREP@noaa.gov

Meeting:

National Environmental Youth Advisory Council

FON:

Agency:

Environmental Protection Agency

Item:

Notice seeking participation in a public meeting of the National Environmental Youth Advisory Council (NEYAC). The meeting agenda will include the final recommendations to EPA on the topics the council has been deliberating, which include environmental justice and youth, climate change and environmental justice, and food loss and waste. EPA will also present the next set of questions to the NEYAC.

Action:

The meeting will be held Tuesday, October 22, 2024. Registration is required. See the Federal Register posting for registration instructions. To participate in public comments, registration must be received by October 15, 2024.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Carissa Cyran, 202-566-1353. Email: cyran.carissa@epa.gov

Meeting:

Visiting Committee on Advanced Technology

FON:

Agency:

Commerce

Item:

Notice seeking participation in a public meeting of the Visiting Committee on Advanced Technology (VCAT). The primary purpose of this meeting is for the VCAT to review and make recommendations regarding general policy for the National Institute of Standards and Technology (NIST), its organization, its budget, and its programs. The agenda for the open portion of the meeting will include an update on major programs at NIST. It will also include discussions of the recommendations from the Subcommittee on U.S. International Standards Development Activity; programmatic updates on safety; post-quantum cryptography; advanced communications; and artificial intelligence.

Action:

The public portion of the meeting will be held October 29, 2024. Registration is required by October 11, to attend. To participate in public comments, requests must be made by October 18.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Stephanie Shaw, 240-446-6000. Email: stephanie.shaw@nist.gov

Notice:

At-Risk Plants and Pollinators and their Ecological Conditions

FON:

USDA-FS-R13-2024-24-25-VE-02

Agency:

U.S. Department of Agriculture

Item:

Notice seeking feedback to continue being the leader in natural resource conservation by delivering the best science and land management strategies to sustain the Nation's "at-risk plant species" during the forest plan revision process and implementation of land and resource management plans. The agency is looking to ensure suitable ecosystems are sustained by restoration or maintaining species diversity and ecological productivity of at-risk plant species populations.

Action:

Responses are due February 7, 2025 to the contact or grants.gov.

Links:

[Grants.gov](https://grants.gov)
[Agency Site](#)

Contact:

Email: opega@usda.gov

Notice:

Bioacoustics Monitoring for Wildlife Management

FON:

USDA-FS-R13-2024-24-22-WLF-03

Agency:

U.S. Department of Agriculture

Item:

Notice seeking feedback to increase capacity to monitor wildlife including potential response to management actions by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI reflects efforts to increase representation, including from diverse and underserved backgrounds.

Action:

Responses are due February 7, 2025 to the contact or grants.gov.

Links:

[Grants.gov](https://grants.gov)

Contact:

Email: opega@usda.gov

Notice:

Circularity for Secure and Sustainable Products and Materials: A Draft Strategic Framework RFI

FON:

DE-FOA-0003455

Agency:

Energy

Item:

Notice seeking information and feedback on the recent draft strategic framework. The document focuses on addressing and overcoming the unique challenges related to the recirculation of products and materials at the end-of-use or end-of-life back into the economy. It outlines the economic and environmental impact goals related to increasing product and material circularity. Particularly of interest is information and feedback on: ways to maximize the impact of the strategy; significant opportunities, challenges, and enablers to increase product and material circularity; technology advancement needed to achieve these objectives; and prioritization of future investments and data to support prioritization.

Action:

Feedbacks are requested by December 16, 2024.

Links:

[Grants.gov](#)

Contact:

Email: Circularity_Strategy_RFI@ee.doe.gov

Notice:

Draft text: Habitable Worlds Observatory System Technology Demonstrations and Mission Architecture Studies

FON:

NNH25ZDA003J

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking comments and questions on the draft text for a new Research Opportunities in Space and Earth Sciences (ROSES) program. Though awards go to for-profit businesses, opportunities for collaboration with institutions of higher education researchers are expected and anticipated.

Action:

Comments and questions are due October 23, 2024.

Links:

[**Contract Opportunities**](#)

[**Agency Site**](#)

Contact:

Julie Crooke. Email: Julie.a.crooke@nasa.gov

Notice:

Partnership to Reach and Engage Underrepresented Audiences in a Fit-for-Purpose Outdoor Recreation Effort

FON:

USDA-FS-R13-2024-24-24-REC-02

Agency:

U.S. Department of Agriculture

Item:

Notice seeking feedback to reach partners and explore partnerships with entities previously overlooked or underrepresented in visitor and recreation program implementation and design on national forest lands. We are looking to our partners to help us in our development process, locally, regionally, and nationally to reach visitor and outdoor recreation audiences not currently representative more effectively of our national demographics.

Action:

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Email: opega@usda.gov

Notice:

Partnerships for Aquatic and Watershed Restoration (PAWR)

FON:

USDA-FS-R13-2024-24-22-FSH

Agency:

U.S. Department of Agriculture

Item:

Notice seeking feedback to address aquatic and watershed restoration needs and empower local communities and partners to assist with implementation of activities. Partnerships will help to address restoration needs through projects that support watershed restoration to improve water quality, improve aquatic organism passage, or improve efficiencies for aquatic restoration activities on lands managed by USDA Forest Service.

Action:

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Email: opega@usda.gov

Notice:

Revegetation with Native Plants

FON:

USDA-FS-R13-2024-24-25-VE-01

Agency:

U.S. Department of Agriculture

Item:

Notice seeking responses in potential partnerships to help collect, map, develop, monitor, and restore native plants, where needed. USDA Forest Service is also interested in engaging and educating community members, youth, veterans, tribes, students, underserved communities, and STEM (science, technology, engineering, and math) programs. Both partners would benefit through the sharing of knowledge, input to revegetation programs and priorities on national forest lands, and hands on knowledge identifying, handling, and processing native plant materials, and/or monitoring and documenting native plant revegetation success.

Action:

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

Links:

[Grants.gov](https://www.grants.gov)

[Agency Site](#)

Contact:

Email: opega@usda.gov

Notice:

Wildlife Habitat Enhancement

FON:

USDA-FS-R13-2024-24-22-WLF-02

Agency:

Interior

Item:

Notice seeking feedback to increase capacity to improve wildlife habitat, including certain artificial structures, by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI seeks to increase representation, including from diverse and underserved backgrounds.

Action:

Responses are due February 7, 2025 to the contact or grants.gov.

Links:

[Grants.gov](https://grants.gov)

Contact:

Email: opega@usda.gov

Notice:

Wildlife Habitat Fencing

FON:

USDA-FS-R13-2024-24-22-WLF-01

Agency:

U.S. Department of Agriculture

Item:

Notice seeking feedback to increase capacity to improve wildlife habitat through removal, modification and or addition of wildlife friendly fence by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI seeks to increase their representation -including from diverse and underserved backgrounds.

Action:

Responses are due February 7, 2025 to the contact or grants.gov.

Links:

[Grants.gov](https://grants.gov)

Contact:

Email: opega@usda.gov

Science/Technology/Engineering/Math 10/08/2024

Funding Opportunity:

Building Synthetic Microbial Communities for Biology, Mitigating Climate Change, Sustainability and Biotechnology

FON:

25-501

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects that use a model synthetic microbial community to better understand the formation, maintenance or functionality of natural communities and to understand a natural community's impact on the host, when applicable. This solicitation also seeks projects that create synthetic communities with novel capabilities and aim to understand the biological underpinnings for these novel capabilities.

Action:

Proposals are due February 3, 2025. An estimated \$10 million is available to fund up to 12 awards.

Links:

[Grants.gov](https://grants.gov)
[Solicitation](#)

Contact:

Anthony G. Garza, 703-292-8440. Email: aggarza@nsf.gov

Funding Opportunity:

Earth Sciences Postdoctoral Fellowships

FON:

25-500

Agency:

National Science Foundation

Item:

Notice seeking proposals for recent recipients of doctoral degrees to conduct an integrated program of independent research and professional development that address scientific questions within the scope of EAR's disciplinary portfolio. The program is intended to recognize beginning investigators of significant potential and provide them with research experience, mentorship, and training that will help establish them in leadership positions in the Earth Sciences community.

Action:

Proposals are due January 14, 2025, October 29, 2025, and the last Wednesday in October, annually thereafter. An estimated \$2.78 million is available to fund 8 to 10 awards each year to support fellowships lasting up to 24 months.

Links:

[Grants.gov](https://www.grants.gov)

[Solicitation](#)

Contact:

Nicole Gasparini, 703-292-8550. Email: earpf@nsf.gov

Funding Opportunity:

Trusted and Elastic Military Platforms and Electronic Warfare (EW) System Technologies (TEMPEST)

FON:

693JJ3-23-BAA-0002-2

Agency:

U.S. Department of Transportation

Item:

Notice seeking infrastructure research concept papers in the following areas: Advanced Digital Construction; Transportation Resilience and Safety; Enhanced Pavement

Management; Bridge Preservation and Management; and Pavement Modeling and Performance.

Action:

Calls for concept papers will be released for research topic areas listed in Appendix C of the solicitation. Concept paper submission is required. Selected applicants will be invited to submit full proposals.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Raven Merchant, Email: Raven.Merchang@dot.gov and HCFA-22SRI@dot.gov

Notice:

Atlantic Highly Migratory Species; Atlantic Highly Migratory Species Southeast Data, Assessment, and Review Workshops Advisory Panel

FON:

2024-22661

Agency:

Commerce

Item:

Notice seeking nominations of stakeholders (including academics) to serve on the Atlantic Highly Migratory Species (HMS) Southeast Data, Assessment, and Review (SEDAR) Workshops Advisory Panel, also known as the “SEDAR Pool.” The SEDAR Pool is comprised of a group of individuals who, if selected review data and advise NMFS on the scientific information, data, and models used in stock assessments for oceanic sharks in the Atlantic Ocean, including the Gulf of Mexico and Caribbean Sea. NMFS is seeking nominations for five-year appointments (2025-2030).

Action:

Nominations are due by November 4, 2024 to SEDAR.pool@noaa.gov.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Karyl Brewster-Geisz or Delisse Ortiz, 301-427-8503.

Science/Technology/Engineering/Math 10/04/2024

Funding Opportunity:

Carderock BAA

FON:

NSWCCD-25-S-0001

Agency:

Defense

Item:

Notice seeking proposals directed toward student or faculty general research projects where the focus is in the areas of: Digital Ecosystems, Hydrodynamics, Naval Platform Integrity, Ship. Boat, and Submarine Design, Signature Management, Unmanned Systems, and other technology areas.

Action:

Optional white papers are due November 15, 2024. Proposals are due by February 28, 2025. Awards are up to \$500,000.

Links:

[Grants.gov](#)

Contact:

Egbert Goodman, Email: egbert.m.goodman.civ@us.navy.mil

Funding Opportunity:

Department of Army Energetics Basic Research Center (EBRC)

FON:

W911NF-25-S-0001

Agency:

Defense

Item:

Notice seeking proposals for basic research that focuses on areas of strategic importance to U.S. national security. It seeks to increase the Army's intellectual capital in energetic materials (EM) and improve its ability to address future challenges. The EBRC brings together universities, research institutions, companies, and individual scholars and supports multidisciplinary and cross-institutional projects addressing specific topic areas determined by the Department of the Army (DA).

Action:

Required white papers are due January 6, 2025. Invited full proposals are due April 7, 2025. Awards are up to \$500,000.

Links:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

Contact:

Schon Zwakman, 919-541-4722. Email: schon.m.zwakman.civ@army.mil

Funding Opportunity:

Fundamental Research to Counter Weapons of Mass Destruction

FON:

HDTRA1-25-S-0001

Agency:

Defense

Item:

Notice soliciting ideas and topic-based pre-application white papers for long-term challenges that offer a significant contribution: to the current body of knowledge, to the understanding of phenomena and observable facts, to significantly advance revolutionary technology, to new concepts for technology application, or that may have impact on future C WMD threat reduction, expertise, or capabilities.

Action:

Applicants must contact the program officers prior to submitting white papers. White paper may be submitted at any time until September 30, 2034.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Multiple Contacts

Funding Opportunity:

FY 2025 Continuation of Solicitation for the Office of Science Financial Assistance Program

FON:

DE-FOA-0003432

Agency:

Energy

Item:

Notice seeking proposals for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, Isotope R&D and Production, and Accelerator R&D and Production.

Action:

Proposals are due September 30, 2025. An estimated \$500 million is available to fund 200 to 350 awards.

Links:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

Contact:

Contacts vary by program.

Funding Opportunity:

**FY25 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps
Science and Technology**

FON:

N0001425SB001

Agency:

Defense

Item:

Notice seeking proposals for Long-Range S&T Projects that offer potential for advancement and improvement of Navy and Marine Corps operations.

Action:

Proposals are accepted at any time until September 30, 2025.

Links:

[Grants.gov](https://www.grants.gov)
[Contract Opportunities](#)

Contact:

Veronica Lacey, 703-696-2593. Email: veronica.y.lacey.civ@us.navy.mil

Funding Opportunity:

Nuclear Reactor Safety Training and Workforce Development Program

FON:

DE-FOA-0003410

Agency:

Energy

Item:

Notice seeking proposals to provide funding to support the development of nuclear reactor safety training and workforce development programs. To meet the needs of an expanding nuclear reactor fleet, the nuclear energy workforce is estimated to require 375,000 additional trained workers to research, design, build, maintain, and operate new reactors, while maintaining the current nuclear reactor fleet.

Action:

Proposals are due January 14, 2025. An estimated \$100 million is available to fund multiple awards. 50 percent cost share is required.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Questions, Email: NRST@id.doe.gov

Funding Opportunity:

Safe and Assured Foundation Robots for Open Environments (SAFRON)

FON:

DARPA-EA-24-01-05

Agency:

Defense

Item:

Notice seeking proposals for investigations into innovative methods and approaches that will lead to assurances about the behavior of robots that use foundational models (FMs), with particular emphasis on robots (of any type) that receive commands in natural language; operate in unstructured, open-world environments; and/or incorporate the FM in closed-loop decision making. Methods and approaches may consider all phases and components of the design and training of the FM and the FM-enabled robot as a system. This is an ARC opportunity.

Action:

Abstracts are due January 13, 2025. The maximum award amount \$300,000. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Questions. Email: SAFRON@darpa.mil

Funding Opportunity:

Seeding Critical Advances for Leading Energy Technologies with Untapped PotentialL (SCALEUP) Ready

FON:

DE-FOA-0003467

Agency:

Energy

Item:

Notice seeking proposals to support the scaling of high-risk and potentially disruptive new technologies across the full spectrum of energy applications. This program focuses only on scaling and pre-pilot projects of promising technologies that ARPA-E has previously funded.

Action:

Proposals are accepted at any time. An estimated \$50 million is available to fund multiple awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Email: ARPA-E-CO@hq.doe.gov

Funding Opportunity:

Signals Intelligence Focused Technologies for Exploitation and Reporting (SIFTER)

FON:

FA875024S7007

Agency:

Defense

Item:

Notice seeking proposals innovative research to investigate algorithms, methodologies, and techniques for the demonstration and evaluation of enhanced signal information exploitation, dissemination, and analytics of existing and emerging adversarial systems.

Action:

Required white papers are due October 21, 2024. An estimated \$19 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

Contact:

David Rose, 315-330-2960. Email: David.Rose.50@us.af.mil

Meeting:

Advisory Committee for STEM Education

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting of the Advisory Committee for STEM Education. The purpose is to provide advice with respect to the Foundation's science, technology, engineering, and mathematics (STEM) education and workforce development programming.

Action:

The meeting will be held November 13-14, 2024 from 9 a.m. to 5:10 p.m. at Louisiana Tech University, Davison Athletic Complex (DAC), 1454 West Alabama, Avenue, Ruston, LA.

Links:

[Federal Register](#)

Contact:

Keaven M. Stevenson, 703-292-8600. Email: kstevens@nsf.gov

Meeting:

Advisory Committee for Technology, Innovation and Partnerships; Notice of Meeting

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting to provide advice to the National Science Foundation concerning implementation of the provisions of the CHIPS and Science Act of 2022 pertaining to the Directorate for Technology, Innovation and Partnerships (TIP), along with other related policies and activities of the Foundation.

Action:

The meeting will be held on October 30, 2024; 12p.m. -4 p.m. ET at NSF, 2415 Eisenhower Avenue, Alexandria, VA 22314. To request a virtual link, email afenzel@nsf.gov

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Chaitanya Baru, 703-292-8050.

Meeting:

Large-Area Photocathodes (LAP) Proposers Day

FON:

DARPA-SN-24-112

Agency:

Defense

Item:

Notice announcing a proposers' day in support of Large-Area Photocathodes. The objective of the Large-Area Photocathodes (LAP) program is to develop large-area photocathodes suitable for high-power microwave (HPM) transmission systems. Photocathodes can be found in photomultiplier tubes, image intensifiers, and even free electron lasers.

Action:

The proposers' day will be held October 18, 2024, at 4121 Wilson Boulevard, Arlington, VA, and via Microsoft Teams Meeting from 9:00 a.m. to 5:00 p.m. Registrations are due by October 11, 2024.

Links:

[Contract Opportunities](#)

Contact:

Matthew Higgins, Email: DARPA-SN-24-112@darpa.mil

Meeting:

NASA Biological and Physical Sciences Advisory Committee

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the Biological and Physical Sciences Advisory Committee. The agenda for the meeting includes the following topics: Decadal Survey Update and Updates on Space Biology, Physical Sciences, and Fundamental Physics.

Action:

The meeting will be held Friday, November 22, 2024, 10 a.m.-5 p.m. ET. Public attendance will be virtual only.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Michael Robinson, 202-669-0096. Email: michael.p.robinson@nasa.gov

Notice:

Artificial Intelligence-Powered Autonomous Experimentation for Sustainable Semiconductor Materials

FON:

Agency:

Commerce

Item:

Notice announcing an open competition for industry-informed, university-based collaborations demonstrating artificial intelligence-powered autonomous experimentation (AI/AE) into sustainable materials and processes relevant to semiconductor manufacturing.

Action:

The envisioned application process consists of a mandatory concept paper and a required full application. CHIPS R&D anticipates a due date for concept papers of approximately 60 days after the date of NOFO publication.

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Jim Warren, 301-975-5708. Email: askchips@chips.gov with “2024-NIST-CHIPS-AI/AE-NOI” in the subject line.

Science/Technology/Engineering/Math 10/01/2024

Funding Opportunity:

Albatross

FON:

DARPA-PS-24-13

Agency:

Defense

Item:

Notice seeking research abstracts to address challenges in the following technical area: Integrated planning, sensing, and control for autonomous soaring to extend range and endurance of small uncrewed aerial systems.

Action:

Required abstracts are due October 17, 2024. Questions are due October 17, 2024. Invited oral proposals are due December 5, 2024.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Solicitation Coordinator, Email: DARPA-PS-24-13@darpa.mil

Funding Opportunity:

Atmosphere Cluster

FON:

PD-24-7790

Agency:

National Science Foundation

Item:

Notice seeking research proposals for fundamental studies of atmospheric processes from the Earth's surface to the stratosphere, and from timescales of nanoseconds to millennia. Core areas of research include the chemical, physical, and dynamical processes in the atmosphere that impact clouds, weather, climate, air quality, and the water cycle. Research methods include modeling, collecting observations, conducting experiments in the laboratory and field, and advancing analytical measurement techniques.

Action:

Proposals are accepted anytime.

Links:

**[Grants.gov](#)
[Solicitation](#)**

Contact:

See solicitation for a list of contacts by topic area.

Funding Opportunity:

Defense Sciences Office BAA

FON:

HR001124S0039

Agency:

Defense, Defense

Item:

Notice seeking innovative proposals that investigate innovative approaches that enable revolutionary advances in science, devices, or systems for national security applications. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. This announcement seeks revolutionary research ideas for topics not being addressed by ongoing DSO programs or other published solicitations.

Action:

Abstracts and proposals can be submitted on a rolling basis until September 26, 2025. Award amounts will vary.

Links:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

Contact:

Email: HR001124S0039@darpa.mil

Funding Opportunity:

FY25 Dr. Nancy Foster Scholarship Program

FON:

NOAA-ONMS-NFS-2025-28612

Agency:

Commerce

Item:

Notice seeking proposals for the Dr. Nancy Foster Scholarship Program. The program especially encourages women and members of minority groups to apply. Students should align the research proposal with the Science Needs Assessment of the Office of National Marine Sanctuaries. NOAA recognizes the student's need to ensure that scholarly research, which is often hypothesis-based, addresses critical gaps in knowledge about ecological processes, physiological mechanisms, evolutionary underpinnings, human behaviors, preferences and values, and related areas. The

nature of the NOAA Office of National Marine Sanctuaries' research, as well as interactions with sanctuary staff and partners with similar goals, can help students fulfill their degree requirements through work benefiting not only national marine sanctuaries, but marine conservation more broadly and ecosystem science as a whole. In addition to natural resource studies, scholars may investigate socioeconomic, maritime archaeological and maritime heritage resource studies in national marine sanctuaries.

Action:

Required pre-proposals are due October 31, 2024. Students will be invited to submit a full proposal, which is due February 14, 2025.

Links:

[Grants.gov](https://www.grants.gov)

[Agency Site](#)

Contact:

Email: fosterscholars@noaa.gov

Funding Opportunity:

Geospace Cluster

FON:

PD-24-7789

Agency:

National Science Foundation

Item:

Notice seeking proposals for fundamental and solutions-oriented research, technology development and education related to the Earth's near-space environment (including the mesosphere, thermosphere, ionosphere, exosphere, magnetosphere and radiation belts) and the inner heliosphere and solar atmosphere. Funded research advances knowledge of the Sun--Earth system, including how various parts of the system are coupled through dynamical, electrodynamical and chemical processes. Awards may also support research on the societal impacts of these processes including space weather and upper atmosphere climate change, with the aim of increasing resilience to such natural hazards.

Action:

Proposals are accepted anytime.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Chia-Lin Huang, 703-292-7544. Email: chihuang@nsf.gov

Funding Opportunity:

Infrastructure Cluster

FON:

PD-24-7791

Agency:

National Science Foundation

Item:

Notice seeking proposals to collaborate with the NSF National Center for Atmospheric Research in Boulder, Colo., and NSF labs and facilities devoted to geospace research.

Action:

Proposals accepted anytime.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Bernard Grant, 703-292-8521. Email: bgrant@nsf.gov

Funding Opportunity:

Oxygen-conducting SOFC and SOEC Research and Development for Hydrogen Production

FON:

DE-FOA-0003366

Agency:

Energy

Item:

Notice seeking proposals to fund projects to develop low-cost, thermodynamically stable, high-temperature, oxygen-conducting, Reversible Solid Oxide Fuel Cells systems.

Action:

Proposals are due December 2, 2024. An estimated four awards of up to \$750,000 and two awards of up to \$500,000 each are available, depending on project type. A cost share of 20 percent is required.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Sophie Roark, Email: Sophie.Roark@netl.doe.gov

Funding Opportunity:

U.S. Wave Energy Open Water Testing

FON:

DE-FOA-0003415

Agency:

Energy

Item:

Notice seeking applications to significantly accelerate the design, fabrication, and testing of multiple wave energy converters. This FOA will support projects across three

topic areas focused on advancing wave energy research, development, and demonstration (RD&D) to move the wave energy industry toward commercialization for distributed, community, and utility applications.

Action:

Required concept papers are due October 25, 2024. Proposals are due January 30, 2025. Up to \$112.5 million is available. Colleges and universities can be subrecipients.

Links:

[Grants.gov](#)

Contact:

Email: MarineEnergyFOA@ee.doe.gov

Meeting:

NASA Heliophysics Advisory Committee

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking participants in a virtual public meeting. The agenda includes an annual performance review of the Heliphysics program, and an update from the division.

Action:

The meeting will take place October 22-24, 2024. See Federal Register link for daily meeting links. See Agency Site for meeting documents.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Janet Kozyra, 202-875-3278. Email: janet.kozyra@nasa.gov

Meeting:

Public Meeting of the Environmental Financial Advisory Board

FON:

Agency:

Environmental Protection Agency

Item:

Notice seeking participants in a public meeting. The advisory committee provides advice and recommendations to EPA on innovative approaches to funding environmental programs, projects, and activities. Administrative support for the EFAB is provided by the Water Infrastructure and Resiliency Finance Center within EPA's Office of Water.

Action:

The meeting will be held October 15-16, 2024. Participants must register to attend by October 7, 2024 by visiting: www.epa.gov/waterfinancecenter/efab#meeting

Links:

**[Federal Register](#)
[Agency Site](#)**

Contact:

Tara Johnson, 202-809-7368. Email: efab@epa.gov

Notice:

Networking and Information Technology Research and Development Request for Information on a National Plan for Cyber-Physical Systems Resilience

FON:

2024-22005

Agency:

National Science Foundation

Item:

Notice seeking public input to shape a whole-of-government effort on research and development that will strengthen resilience of cyber-physical systems, which rely on computing technologies for sensing, analysis, tracking, controls, connectivity, coordination, and human-system interaction. Potential threats to resiliency may include cybersecurity, physical threats, natural disasters including extreme weather events or other hazards such as earthquakes, and the potential for adversary use of AI to disrupt systems as well as deceive human operators of critical infrastructure systems. Examples of domains and application of interest include but are not limited to critical infrastructure and systems for energy, transportation, medical, agriculture, water, space, and manufacturing.

Action:

Submit information to the contact by October 26, 2024.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

David Alexander, 202-459-9674. Email: CPSR-ftacRFI@nitrd.gov

Notice:

Switchable Reactives and Energetics (SeREne) Disruption Opportunity (DO) Information Session

FON:

DARPA-SN-24-116

Agency:

Defense

Item:

Notice seeking participation in an information session webcast to provide information to potential proposers on the objectives of the anticipated Switchable Reactives and Energetics Disruption Opportunity.

Action:

The information session will be held October 7, 2024, from 1:00 p.m. to 2:00 p.m. (ET) via Teams. Register to attend by October 4, 2024 at <https://events.sa-meetings.com/SeREneInfoSession>.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Email: SeREne@darpa.mil

Science/Technology/Engineering/Math 9/27/2024

Funding Opportunity:

Advancing Technology Development for Securing a Domestic Supply of Critical Minerals and Materials (CMM)

FON:

DE-FOA-0002956

Agency:

Energy

Item:

Notice seeking proposals to (1) continue to advance Critical Minerals and Materials technology development, not only in the area of new advanced recovery concepts, but also to (2) expand and improve process systems development, optimization, and efficiency, to (3) improve Critical Minerals and Materials process system economic feasibility and align production costs with existing market sectors, and to (4) produce CMM from multiple, diverse feedstocks including recycled materials.

Action:

Proposals are due November 26, 2024. An estimated \$19.5 million is available to fund up to 10 awards. Cost sharing is required.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Questions, Email: DE-FOA-0002956@netl.doe.gov

Funding Opportunity:

Missile Defense Agency (MDA) Science, Technology, Engineering & Mathematics
(STEM) Brad Agency Announcement (BAA)

FON:

HQ0860-24-S-0002

Agency:

Defense

Item:

Notice seeking white papers from a broad, innovative spectrum of candidates, who are well versed in science and engineering disciplines to prompt interest of STEM-based education and careers among youth and college students. Additionally, this announcement seeks ingenious and contemporary methods for teacher professional development. Emphasis is on delivering impactful STEM learning experiences across three tiers (K-12, college, and teachers/educators).

Action:

White papers are due November 8, 2024. An estimated \$1.28 million is available.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: MDASTEMBAA2024@mda.mil

Funding Opportunity:

ROSES 2024: F.13 Lunar Terrain Vehicle Instruments

FON:

NNH24ZDA001N-LTVI

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for stand-alone science instruments in support of investigations that are substantially enabled by unpressurized mobility on the lunar surface.

Action:

Mandatory Step-1 proposals are due October 23, 2024. An estimated \$44 million is available to fund two or more awards.

Links:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

Contact:

Debra Needham, Email: HQ-ArtemisInstruments@mail.nasa.gov

Funding Opportunity:

The State Component of the National Cooperative Geologic Mapping Program

FON:

G25AS00030

Agency:

Interior

Item:

Notice seeking proposals to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States and the Nation. The State Geologist/Survey Director/Chief Scientist (or similar position) shall

determine mapping priorities in consultation with a multidiscipline State Mapping Advisory Committee (SMAC).

Action:

Proposals are due January 7, 2025. Universities may submit a proposal on behalf of the State Geological Survey.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Amber Brazil, Email: abrazil@usgs.gov

Funding Opportunity:

USGS Cooperative Landslide Hazard Mapping and Assessment Program

FON:

G25AS00032

Agency:

Interior

Item:

Notice seeking proposals to support communication, planning, coordination, mapping, assessments, and data collection of landslide hazards.

Action:

Proposals are due January 15, 2025. An estimated \$1 million is available to fund up to 10 awards. Universities may submit a proposal on behalf of a state geological survey.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Stephen Slaughter, 720-483-3945. Email: sslaughter@usgs.gov

Meeting:

Committee on Equal Opportunities in Science & Engineering

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting of the Committee on Equal Opportunities in Science and Engineering. The purpose of the meeting is to study data, programs, policies, and other information pertinent to the National Science Foundation and to provide advice and recommendations concerning broadening participation in science and engineering.

Action:

The meeting will be held October 21, 2024 from 10 a.m. to 4:30 p.m. ET. The meeting will be held at National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA (Virtual).

Links:

[Federal Register](#)

Contact:

Bernice Anderson, 703-292-8040. Email: banderso@nsf.gov

Meeting:

National Artificial Intelligence Advisory Committee

FON:

Agency:

Commerce

Item:

Notice announcing a meeting of the National Artificial Advisory Committee.
The purpose of this meeting is for the Committee to report working group findings, identify actionable recommendations, and receive public briefings.

Action:

The meeting will be held October 10, 2024, from 10 a.m. to 3 p.m. PT at Tower West, Building 1, 10176 Scholars Drive, La Jolla, CA. The meeting will be in-person and virtual.

Links:

[Federal Register](#)

Contact:

Cheryl L. Gendron, 301-975-2785, Email: cheryl.gendron@nist.gov

Meeting:

Strategic Environmental Research and Development Program Scientific Advisory Board

FON:

Agency:

Defense

Item:

Notice announcing a meeting of the Strategic Environmental Research and Development Program (SERDP) Scientific Advisory Board (SAB). The purpose of the meeting is for the SERDP SAB to make recommendations regarding technologies, research, projects, programs, activities, and, if appropriate, funding within the scope of SERDP Fiscal Year (FY) 2025.

Action:

The meeting will be held October 15-16, 2024 from 10 a.m. to 5 p.m. The meeting will be accessible by videoconference.

Links:

[Federal Register](#)

Contact:

Kimberly Spangler, 703-571-2477. Email: kimberly.y.spangler.civ@mail.mil

Science/Technology/Engineering/Math 9/24/2024

Funding Opportunity:

Extreme Computing

FON:

FA875023S7004

Agency:

Defense

Item:

Notice seeking white papers for research, development, integration, test and evaluation of technologies/techniques to support research in the focus areas computational diversity and efficient computing architectures, machine learning and artificial intelligence in embedded system and architectures, computing at the edge, nanocomputing, space computing, and robust algorithms and applications.

Action:

Required white papers are due September 30, 2025. Program expires September 20, 2028. An estimated \$109 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

Contact:

Joel Moore, 315-330-4958. Email: joel.moore.2@us.af.mil

Funding Opportunity:

Gasification of Alternative Feedstocks

FON:

DE-FOA-0003394

Agency:

Energy

Item:

Notice seeking proposals for research and development of innovative gasification designs/systems for converting alternative feedstocks into syngas to enable the low-cost production of clean hydrogen. The program is motivated by the unique potential of carbon capture-friendly oxygen-blown gasification processes to convert solid mixed biomass and waste feedstocks to clean hydrogen, which is useful as a decarbonized energy carrier and for synthesis of decarbonized transportation fuels, chemicals, electricity, and other useful products.

Action:

Proposals are due November 22, 2024. An estimated \$15 million is available to fund up to five awards and will require a 20% cost share.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Davina Reed, Email: FOA3394@netl.doe.gov

Funding Opportunity:

Provably Weird Network Deployment and Detection (PWND²)

FON:

HR001124S0037

Agency:

Defense

Item:

Notice seeking proposals to develop formal models of emergent communication pathways to fundamentally improve how to deploy and detect robust and resilient hidden networks in the real world. The program will pair software-defined networking approaches with formal methods to provide provable privacy and performance guarantees for hidden communication systems at meaningful scale.

Action:

Proposals are due November 5, 2024. Strongly encouraged abstracts are due October 1, 2024. Questions are due October 17, 2024. Multiple awards are anticipated.

Links:

[**Contract Opportunities**](#)

[**Agency Site**](#)

Contact:

The BAA Coordinator, Email: PWND2@darpa.mil

Funding Opportunity:

Safety, Security, and Privacy of Open-Source Ecosystems

FON:

24-608

Agency:

National Science Foundation

Item:

Notice seeking proposals from Open Source Ecosystems (OSEs), including those not originally funded by NSF's Pathways to Enable Open-Source Ecosystems program, to address significant safety, security, and/or privacy vulnerabilities, both technical (e.g., vulnerabilities in code and side-channels) and socio-technical (e.g., supply chain, insider threats, and social engineering). Notably for project design, Safe-OSE applies to any OSE, including those based on scientific methodologies, models, and processes; manufacturing processes and process specifications; materials formulations; programming languages and formats; hardware instruction sets; system designs or specifications; and data platforms. Funds from this program should be directed toward efforts to enhance the safety, security, and privacy characteristics of

the open-source product, its supply chain, and/or to bolster the ecosystem's capabilities for managing current and future risks.

Action:

Required preliminary proposals are due January 14, 2025. An estimated \$15 million is available to fund 10 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Nina Amla, 703-292-7991. Email: pose@nsf.gov

Funding Opportunity:

Strategic Capabilities Office Broad Agency Announcement

FON:

HY0233-SCO-24-BAA-0001

Agency:

Defense

Item:

Notice seeking proposals for innovative research within five primary technical areas. Project concepts that apply across multiple military services or defense/intelligence operations are preferred. The five primary areas include: 1) autonomous systems; 2) deep learning; 3) cyber; 4) cross-domain kill chains; 5) non-traditional defense technologies.

Action:

White papers will be continuously accepted throughout the life of the BAA which will be through August 31, 2029. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

John Stastny. Email: sco.baa@sco.mil

Funding Opportunity:

SuperTruck Charge

FON:

DE-FOA-0003344

Agency:

Energy

Item:

Notice seeking proposals with potential solutions to address the current gaps in electrified medium- and heavy-duty (MHD) vehicles charging infrastructure necessary to enable greater utilization of electrified fleets, and drastically reducing GHG emissions due to MHD trucks. The outcomes of this program will lead to accelerated deployment of large-scale electric vehicle charging infrastructure with clean energy resource technologies, as well as provide greater grid resiliency and reliability.

Action:

Required concept papers are due October 8, 2024. An estimated \$72 million is available to fund up to three awards to support projects lasting three to five years.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Email: DE-FOA-0003344@netl.doe.gov

Funding Opportunity:

Ultra-Broadband Terahertz Radio Development

FON:

FA875023S7009

Agency:

Defense

Item:

Notice seeking white paper proposals for innovative research to develop and demonstrate an ultra-broadband radio operating above 100 GHz for future air force communications capabilities in contested spectrum environments. Collaboration is encouraged.

Action:

Required white paper are due September 19, 2025. Program expires September 19, 2028. An estimated \$2.5 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Peter Ricci, 315-330-2427. Email: Peter.Ricci.1@us.af.mil

Funding Opportunity:

University Student Research Challenge (USRC)

FON:

NNH24ZEA001N-USRC

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking student proposals for new ideas and concepts that are relevant to NASA Aeronautics. There are cost-share requirements to be completed through the creation and implementation of a crowdfunding campaign, which also provides an opportunity to raise awareness about their research and gain entrepreneurial experience. Projects should advance design, develop technology or capabilities in support of aviation by demonstrating a novel concept, or enable advancement of aeronautics-related technology.

Action:

Proposals are due November 7, 2024, March 13, 2025, and June 26, 2025. Five awards are anticipated. The maximum award amount is \$80,000.

Links:

[Grants.gov Solicitation](#)

Contact:

Steven Holz, 757-864-9798. Email: steven.m.holz@nasa.gov

Notice:

Geoeconomic Modeling for National Security

FON:

DARPA-SN-24-104

Agency:

Defense

Item:

Notice seeking information in three topic areas: **Geoeconomic Models; Data for Geoeconomic Modeling; and User Interaction with Models.** DARPA is particularly interested in capabilities and limitations of current approaches to modeling and predicting economic activity - especially with regard to the effects of economic and technology sanctions; integration of existing models into a larger ecosystem for comprehensive analysis; and novel concepts that could fundamentally improve geoeconomic modeling for national security purposes.

Action:

Responses are due by October 15, 2024 to the contact.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Email: DARPA-SN-24-104@darpa.mil

Science/Technology/Engineering/Math 9/20/2024

Funding Opportunity:

FY2025 Weather Program Office Research Program Announcement - Social, Behavioral, and Economic Sciences (SBES)

FON:

NOAA-OAR-WPO-2025-28598

Agency:

Commerce

Item:

Notice seeking proposals to involve SBES researchers and social science-led, interdisciplinary teams to integrate SBES into meteorological research, forecasting, information displays, communication of uncertainty, and understanding of individual and community vulnerabilities to weather. These disciplines include (but are not limited to) anthropology, communication, economics, geography, political science, psychology, and sociology. Specifically, this funding call supports interdisciplinary work, applied research, and more broadly, social science research that will advance theoretical findings into applications for the operational forecast community.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1.5 million is available for up to seven awards.

Links:

**[Grants.gov](#)
[Solicitation](#)**

Contact:

Alison Krepp, Email: oar.wpo.nofocompetition@noaa.gov

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement - Air Quality Research and Forecasting (AQRF)

FON:

NOAA-OAR-WPO-2025-28603

Agency:

Commerce

Item:

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. Air quality forecasting involves the use of science and technology to predict the concentration of air pollution in the atmosphere for a given location and time. Projects that have the potential to improve both air quality prediction and research by incorporating scientific advances in chemistry modeling and inputs from the latest pollutant emission datasets will be considered.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1 million is available for up to three awards.

Links:

**[Grants.gov](https://www.grants.gov)
[Solicitation](#)**

Contact:

Lingyan Xin, Email: oar.wpo.nofocompetition@noaa.gov

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement - Observations

FON:

NOAA-OAR-WPO-2025-28602

Agency:

Commerce

Item:

Notice seeking proposals to develop, demonstrate, and/or analyze innovative sensor and observing technologies and strategies that have high potential for advancing an observation systems portfolio that is mission-effective, integrated, adaptable, and affordable. Proposed projects should document clear relevance and support to the weather enterprise.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$2.1 million is available to fund seven awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Mark Vincent, Email: oar.wpo.nofocompetition@noaa.gov

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement - Subseasonal to Seasonal

FON:

NOAA-OAR-WPO-2025-28599

Agency:

Commerce

Item:

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. The program will address a spectrum of issues on the subseasonal to seasonal time frame at various stages of research readiness. The subseasonal to seasonal

temporal range covers a wide range of phenomena with significant global and regional impacts on economies and human safety.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1.5 million is available for up to five awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Mark Olsen, Email: oar.wpo.nofocompetition@noaa.gov

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement - Testbeds

FON:

NOAA-OAR-WPO-2025-28601

Agency:

Commerce

Item:

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. Project proposals submitted to this competition will focus on applied research and development, and, in particular, the demonstration and testing of that research in NOAA's quasi-operational forecasting environment through engagement with one of NOAA's testbeds.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$14.2 million is available to fund 15 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Sean Helfrich, 301-683-3328. Email: sean.helfrich@noaa.gov

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement - VORTEX USA

FON:

NOAA-OAR-WPO-2025-28596

Agency:

Commerce

Item:

Notice seeking proposals to improve the effectiveness of tornado forecasts and warnings in the U.S. New meteorological knowledge will be gained through examination of historical data, special datasets collected in the field through earlier Verification of the Origins of Rotation in Tornadoes EXperiment-Southeast (VORTEX-SE) campaigns, and the application of state-of-the-art numerical weather prediction and data assimilation systems.

Action:

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$2.5 million is available to fund up to five awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Jordan Dale, Email: oar.wpo.nofocompetition@noaa.gov

Funding Opportunity:

Regional Resiliency and Vulnerability Assessments for Ocean and Coastal Acidification (RVA OA25)

FON:

NOAA-OAR-OAP-2025-28235

Agency:

Commerce

Item:

Notice seeking proposals for collaborative projects that synthesize ocean and coastal acidification information at a regional scale. This announcement specifically addresses priorities for how ocean and coastal acidification - in the context of changing ocean conditions - affects dependent human communities (the human dimensions of ocean and coastal acidification).

Action:

Required letters of intent are due November 20, 2024. Proposals are due December 2, 2024. Approximately \$3 million is available for up to six awards.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Erica Ombres, 301-734-1072. Email: erica.h.ombres@noaa.gov

Funding Opportunity:

ROSES 2024: A.5 Carbon Cycle Science

FON:

NNH24ZDA001N-CARBON

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals that make significant use of remote sensing data to improve understanding of changes in the distribution and cycling of carbon among the active land, ocean, coastal, and atmospheric reservoirs, and how that understanding can be used to establish a scientific foundation for societal responses to environmental change.

Action:

Proposals are due February 3, 2025. An estimated \$5 million is available to fund up to 22 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Laura Lorenzoni, 202-329-4052. Email: Laura.Lorenzoni@nasa.gov

Funding Opportunity:

ROSES 2024: A.55 Decadal Survey Incubation Program: Science and Technology

FON:

NNH24ZDA001N-DSI

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to encourage the participation of the space, Earth, and biological and physical science communities in SMD's research and technology programs. These programs form the foundation of both the basic and applied research that allows NASA's space, Earth, and biological and physical science programs to be properly planned and carried through to the successful interpretation of data and its application to the needs of end users.

Action:

Proposals are due December 17, 2024. An estimated \$12.7 million is available to fund multiple awards.

Links:

[Grants.gov
Solicitation](#)

Contact:

Amber E. Emory, Email: amber.emory@nasa.gov

Funding Opportunity:

X-ray Extreme-Range Non-Imaging Analysis (XENA)

FON:

DARPA-PS-24-22

Agency:

Defense

Item:

Notice seeking proposals to develop new methods for image enhancement in long-standoff transmission X-ray scenarios where motion blur is also present. XENA is an algorithm development program only; advances to X-ray source or detector hardware to increase signal-to-noise ratio are out of scope. The XENA program is a two-phase program.

Action:

Required abstracts are due October 24, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Michael Nayak, Email: XENA@darpa.mil

Meeting:

NASA Advisory Council; Science Committee; Meeting

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the Science Committee of the NASA Advisory Council (NAC). The meeting will be held for the purpose of soliciting, from the scientific community and other persons, scientific and technical information relevant to program planning.

Action:

The meeting will be held October 8-10, 2024 from 10 a.m. to 5:30 p.m. Public attendance will be virtual only.

Links:

[Federal Register](#)

Contact:

KarShelia Kinard, 202-358-2355. Email: karshelia.kinard@nasa.gov

Notice:

Request for Information (RFI) Technology and Market Potential of Photovoltaic-Thermal (PVT) Systems in the United States

FON:

DE-FOA-0003465

Agency:

Energy

Item:

Notice seeking to gain a better understanding of photovoltaic-thermal (PVT) technologies. SETO is looking to solicit information on PVT technology, including but not limited to business, state-of-the-art, regulatory statutes, and consumer opinion. SETO aims to summarize the information gathered from this RFI and will use the stakeholder feedback obtained to inform future program development.

Action:

Responses are due December 31, 2024.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Stephanie Hodge, 240-562-1295.

Email: stephanie.hodge@ee.doe.gov

Science/Technology/Engineering/Math 9/17/2024

Funding Opportunity:

2024 Minority Serving Institutions Partnership Program (MSIPP) Notice of Funding Opportunity (NOFO)

FON:

DE-FOA-0003422

Agency:

Energy

Item:

Notice seeking applications for research practicum collaborations between EM, DOE National Laboratories, and minority serving institutions, with support available for curriculum design, professional development, and the purchase of specialized equipment and instrumentation for field and laboratory-based studies. The goal is to build capacity at minority serving institutions (MSIs) through collaborative research that will develop and broaden participation in the environmental cleanup field and workforce, and build career pathways for underrepresented groups. Eligible research topic areas include Deactivation & Decommissioning (taking a facility to its final disposition end state); Digital Technologies; and Robotics.

Action:

Required expressions of interest are due October 4, 2024. Required concept papers are due October 15, 2024. An informational webinar will be held September 19, 2024 at

11:00 a.m. (ET) - see the solicitation for details. Approximately \$15.5 million is available to fund 5 to 10 awards ranging from \$1 million to \$3 million each are available. Eligibility is limited to MSIs with a student population less than or equal to 5,000. Non-MSI subawards are unallowable and subawards to MSI's with more than a 5,000 student population cannot exceed 20% of the total grant or cooperative agreement award value.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Email: MSIPP-FOA@emcbc.doe.gov

Funding Opportunity:

Cultural Anthropology Program - Doctoral Dissertation Research Improvement Grants

FON:

24-605

Agency:

National Science Foundation

Item:

Notice seeking proposals to support basic scientific research on the causes, consequences and complexities of human social and cultural variability. Contemporary cultural anthropology is an arena in which diverse research traditions and methodologies are valid in investigations of human cultural variation. Recognizing the breadth of the field's contributions to science, the Cultural Anthropology Program welcomes proposals for empirically grounded, fieldwork/lab-based theoretically engaged and methodologically sophisticated research in all sub-fields of cultural anthropology. Because the National Science Foundation's mission is to support basic research, the NSF Cultural Anthropology Program does not fund research that takes as its primary goal improved clinical practice, humanistic understanding or applied policy.

Action:

Proposals are due January 15, 2025. An estimated \$800,000 is available to fund 40 to 50 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Jeffrey Mantz, 703-292-7783. Email: jmantz@nsf.gov

Funding Opportunity:

Molecular Foundations for Biotechnology

FON:

24-607

Agency:

National Science Foundation

Item:

Notice seeking proposals for fundamentally new approaches in molecular sciences to drive new directions in biotechnology. This is the fourth year of a campaign targeting broad themes to be pursued through collaborative, creative, cross-disciplinary research projects and technology development proposals to accelerate understanding of RNA function in complex biological systems and to harness RNA research to advance biotechnology. The funding opportunity will be coordinated by the National Science Foundation together with the National Institutes of Health, National Human Genome Research Institute (NHGRI).

Action:

Proposals are due December 16, 2024. An estimated \$6.5 million is available to fund up to five award.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Sorin Draghici, 703-292-2232. Email: mfb@nsf.gov

Funding Opportunity:

Multilateral Partnerships Leveraging Excellence

FON:

PD-24-7298

Agency:

National Science Foundation

Item:

Notice seeking proposals for visionary, and ambitious international multilateral research partnerships that are required to hasten progress in addressing grand challenges by leveraging research excellence in the U.S. and around the globe. The program also seeks to advance understanding of effective multilateral collaboration. Especially encouraged are proposals that 1)Address urgent research and/or societal challenge of global importance (including but not limited to critical and emerging technology research) and require an inherently international multilateral approach to achieve impactful research results, partnering with at least two countries other than the U.S. Proposals that engage partners across distinct geographic regions are an area of interest. 2) Make clear how the proposed international collaboration will enable research advances and broader impacts that go beyond what can be accomplished by a narrower team. 3) Include a diverse group of U.S. institutions and/or individuals, leveraging the full range of talent that society has to offer. Project funds support the U.S. research team. Research partners should seek funding from their own national funding agencies or from other sources.

Action:

Proposals are accepted anytime and award amounts will vary.

Links:

[Grants.gov](https://www.grants.gov)

[Agency Site](#)

Contact:

Cate Flanley, 703-292-2707. Email: cflanley@nsf.gov

Funding Opportunity:

Pathways to Enable Open-Source Ecosystems

FON:

24-606

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. The program is specifically focused on the translational pathway – supporting the transition from open-source research artifacts to open-source ecosystems (OSE). POSE aims to support new managing organizations to catalyze distributed, community-driven development and growth of new OSEs. This solicitation seeks two types of proposals, allowing teams to propose specific activities to scope and plan the establishment of an OSE (Phase I), and to establish a sustainable OSE based on a robust open-source product that shows promise in the ability to both meet an emergent societal or national need and build a community to help develop it (Phase II).

Action:

Proposals are due January 14, 2025. An estimated \$27.8 million is available to fund up to 50 awards.

Links:

**[Grants.gov](https://www.grants.gov)
[Solicitation](#)**

Contact:

Jeff Stanton, 703-292-7794. Email: pose@nsf.gov

Funding Opportunity:

Program Announcement for Artificial Intelligence Exploration (AIE)

FON:

DARPA-PA-23-04

Agency:

Defense

Item:

Notice seeking proposals o invest in research that leads to prototype development that may result in new, game-changing AI technologies for U.S. national security.

Action:

Proposals are due October 29, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: DARPA-PA-23-04@darpa.mil

Funding Opportunity:

Undocumented Orphaned Well Characterization and Remediation

FON:

DE-FOA-0003343

Agency:

Energy

Item:

Notice seeking proposals for projects to develop advanced tools and technologies that will significantly reduce methane emissions and other environmental impacts associated with undocumented orphaned wells. This announcement will support the undocumented orphaned wells subprogram by soliciting research on new processes and development of new materials, tools, and technologies for wellbore

characterization, effective plugging and abandonment operations, and pre and post plugging and abandonment emissions monitoring.

Action:

Proposals are due November 13, 2024. An estimated \$15 million is available to fund up to seven awards. Cost share must be at least 20 percent.

Links:

[Grants.gov](#)

Contact:

Bethany Swauger, 412-386-4737. Email: bethany.swauger@netl.doe.gov

Notice:

Office of Critical and Emerging Technologies (CET)

FON:

Agency:

Energy

Item:

Notice seeking public input on artificial intelligence (AI) from a range of stakeholders, including Academic institutions interested in partnering with DOE to leverage AI for scientific research. In addition to ongoing DOE work, input is specifically sought to inform DOE's proposed Frontiers in AI for Science, Security, and Technology (FASST) initiative, which seeks to build the world's most powerful, integrated scientific AI models for scientific discovery, applied energy deployment, and national security applications.

Action:

Email comments to the contact by November 11, 2024, with the subject line, "FASST RFI".

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Charles Yang, 202-586-6116. Email: FASST@hq.doe.gov

Notice:

SPECIAL NOTICE - Silent Swarm 2025

FON:

N0016424SNC23

Agency:

Defense

Item:

Notice seeking submissions for participation consideration in the Silent Swarm 2025 Experimentation Event. Silent Swarm is a series of events focused on experimentation with early development electromagnetic spectrum operations capabilities that can be employed on attritable, multi-domain unmanned systems. The Silent Swarm series provides a challenging and flexible experimentation environment to enable rapid development of emerging technology. Selected participants will be able to further develop their technologies while operating in an operationally relevant sandbox environment alongside subject matter experts from joint operational and technical communities.

Action:

Submissions are due October 15, 2024. See the solicitation for submission instructions.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Robert Gamberg, Email: robert.d.gamberg.civ@us.navy.mil

Science/Technology/Engineering/Math 9/13/2024

Funding Opportunity:

Automated Processes for Knowledge Discovery and Information Retrieval

FON:

FA875024S7006

Agency:

Defense

Item:

Notice seeking proposals for innovative research to develop, demonstrate, integrate, test, evaluate, and deliver technologies that process and exploit multi-source, multi-domain classified, open source, non-traditional source data to improve Battlespace Awareness, derive decision quality information, and automate analysis/decision processes.

Action:

White papers are due November 30, 2024. An estimated \$20 million is available to fund multiple awards.

Links:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

Contact:

Carolyn Sheaff, Email: AFRL.RIEDBAA.2024@us.af.mil

Funding Opportunity:

Biological Technologies

FON:

HR001124S0034

Agency:

Defense

Item:

Notice seeking proposals to develop capabilities that leverage the unique properties of biology – adaption, replication, resilience and complexity, to revolutionize how the

United States defends the homeland and prepares and protects its warfighters.

Action:

Proposals are due September 10, 2025. Abstracts are encouraged by September 10, 2025. Multiple awards are anticipated.

Links:

[Grants.gov](#)

[Contract Opportunities](#)

Contact:

Katie Freeman, E-mail: BTOBAA2024@darpa.mil

Funding Opportunity:

Desalination and Water Purification Research Program: Research Projects FY25

FON:

R24AS00421

Agency:

Interior

Item:

Notice seeking proposals to address the need to reduce the costs, energy requirements, and environmental impacts of treating impaired and unusable water.

Action:

Proposals are due November 13, 2024. An estimated \$2 million is available to fund 3 to 10 awards.

Links:

[Grants.gov](#)

Contact:

Andrew Tiffenbach, 303-445-2393. Email: atiffenbach@usbr.gov

Funding Opportunity:

FY24 Scale-Up of Integrated Biorefineries

FON:

DE-FOA-0003371

Agency:

Energy

Item:

Notice seeking proposals to address the scale-up of promising technical pathways that produce cost-effective biofuels for aviation, marine, rail, off-road vehicle and heavy-duty trucks, and renewable chemicals. This FOA will fund the development, testing, and verification at engineering scale, of new technology and feedstock pathways for integrated biorefineries to reduce technology uncertainty through cost-shared pilot- and demonstration-scale biorefinery projects with industry.

Action:

Concept papers are due November 7, 2024. An estimated \$12 million is available to fund up to four awards. Cost sharing is required.

Links:

[Grants.gov](#)

Contact:

Email: FY24BETOSCALE-UP@ee.doe.gov

Funding Opportunity:

Naval Engineering Education Consortium (NEEC) Broad Agency Announcement for Fiscal Year (FY) 2025 (FY25)

FON:

N00178-25-0001

Agency:

Defense

Item:

Notice seeking proposals directed toward projects involving undergraduate or combined graduate student efforts that supports the professional development/growth of students across the technical disciplines within Ship and Submarine Design and supporting technologies.

Action:

Proposals are due October 30, 2025.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Contacts vary by topic.

Funding Opportunity:

Strategic Catalyst Announcement for AI-BTO

FON:

DARPA-SCA-24-01

Agency:

Defense

Item:

Notice seeking white papers to catalyze future efforts in the topics of Prediction and Health, Autonomous Science, Simulation, Biomanufacturing and Synthetic Biology, Challenges with Scale, and Frontier topics through the generation and/or processing of data sets. AI BTO employs an acquisition strategy to encourage participation by new or non-traditional proposers that bring Artificial Intelligence (AI) and Machine Learning (ML) innovations to Biological Technologies Office (BTO).

Action:

Required white papers are due October 9, 2024. Questions are due September 25, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

General inquiries, Email: [AI BTO PitchDay@darpa.mil](mailto:AI_BTO_PitchDay@darpa.mil)

Meeting:

NASA Advisory Council

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the NASA Advisory Council. The agenda will include Climate Change, Commercial and Industry Partnerships, Diversity, Equity, Inclusion and Accessibility, International Collaboration, and Program Management and Acquisition. It will also include reports from the Committees.

Action:

The meeting will be held October 1, 2024, 1 p.m.-5 p.m. CT; and October 2, 2024, 8:30 a.m.-1:30 p.m. CT. Meeting will be virtual.

Links:

[Federal Register](#)

Contact:

Marcia Guignard, 202-763-3457. Email: marcia.guignard@nasa.gov

Meeting:

POWER Receiver Array Demonstration (PRAD) Proposers Day

FON:

DARPA-SN-24-100

Agency:

Defense

Item:

Notice announcing a proposers day for the PRAD program. The PRAD program is to demonstrate a ground-based receiver array for optical laser power to address challenges in the Persistent Optical Wireless Energy Relay (POWER) Program. Optical laser power beaming technology delivers energy over long distances via transmission by laser beam that is then directed towards a receiving station.

Action:

The proposers' day will be held virtually on September 17, 2024 from 12:30 p.m. to 3:30 p.m. (EDT). Registrations are due by September 16, 2024.

Links:

[Contract Opportunities](#)

Contact:

Paul Jaffe, Email: DARPA-SN-24-100@darpa.mil

Science/Technology/Engineering/Math 9/10/2024

Funding Opportunity:

Army Geospatial Center (AGC) FY24 Broad Agency Announcement

FON:

W5J9CQ-24-R-0006

Agency:

Defense

Item:

Notice seeking proposals to fund research and technology development in areas relating to the advancement of a wide variety of geospatial topics.

Action:

White papers are accepted on a rolling basis until 365 days from the announcement date. Selected applicants will be invited to submit a full proposal. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Kimmerie Smith, Email: kimerie.s.smith@usace.army.mil

Funding Opportunity:

Biomedical Research Initiative for Next-Gen BioTechnologies - SynBio Control

FON:

24-603

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects to accelerate the translation of novel fundamental synthetic and engineering biology advances to early-stage biomedical technologies. Projects will be in two phases, and plans should address both. Phase I: fundamental research to pursue proof of principle synthetic and engineering biology research and supported by NSF. Phase II: exploratory research to translate findings toward biomedical technologies will be supported by NIH. Potential areas of interest include but are not limited to: novel design principles for the characterization and design of new synthetic biology tools and parts and/or regulation and control of biological process in cells/tissues.

Action:

Proposals are due December 4, 2024. An estimated \$2.4 million is available to fund up to eight awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Steven Peretti, 703-292-4201. Email: speretti@nsf.gov

Funding Opportunity:

Energy Storage Pilot Demonstrations

FON:

DE-FOA-0003399

Agency:

Energy

Item:

Notice seeking proposals to fund technology demonstrations for energy storage solutions at the pilot-scale. The program will focus on non-lithium technologies with long-duration (10+ hour) discharge in stationary storage applications, potentially including electrochemical, mechanical, and/or thermal solutions.

Action:

Required concept papers are due October 16, 2024. An estimated \$100 million is available to fund 10 to 15 awards. Cost sharing is required.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Questions, Email: LDESFOA@hq.doe.gov

Funding Opportunity:

Ethical and Responsible Research

FON:

24-604

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects that focus on what constitutes or promotes responsible and ethical research in science, technology, engineering, and mathematics (STEM) fields. The program promotes the development, improvement, and dissemination of responsible and ethical research practices and aims to build on organizational cultures that value and reward such practices. Proposers may examine responsible and ethical research practices across one or more career stages. This can include, for example, the research practices of students, postdoctoral fellows, faculty, or practitioners. Projects could seek to improve responsible and ethical research practices in teams, organizations, or communities, or between researchers and the public or may include the development of interventions that promote responsible and ethical research practices, including in multidisciplinary, inter-organizational, cross-sector, translational, or international contexts.

Action:

Proposals are due January 23, 2025. An estimated \$5.4 million is available to fund 10 to 15 awards.

Links:

**[Grants.gov](#)
[Solicitation](#)**

Contact:

Jason Borenstein, 703-292-4207. Email: jborenst@nsf.gov

Meeting:

Exploration of Highly Complex Defense Systems

FON:

DARPA-SN-24-102

Agency:

Defense

Item:

Notice seeking applications from researchers, engineers, and subject matter experts to attend an invitation-only workshop focused on design, development, and management of highly complex systems.

Action:

Applications are due October 4, 2024. The workshop will be held November 13-15, 2024 in Boston, MA.

Links:

[Contract Opportunities](#)

Contact:

John A. Main, Email: DARPA-SN-24-102@darpa.mil

Science/Technology/Engineering/Math 9/06/2024

Funding Opportunity:

FY 2024 – 2026 Broad Agency Announcement (BAA), Office of Oceanic and Atmospheric Research (OAR)

FON:

NOAA-OAR-CPO-2024-28363

Agency:

Commerce

Item:

Notice seeking proposals to encourage research, education and outreach, innovative projects, or sponsorships that are not addressed through NOAA's competitive discretionary programs. Priorities include Ocean Exploration, Climate Adaptation and Mitigation, Weather-Ready Nation, Healthy Oceans, and Resilient Coastal Communities and Economies.

Action:

Proposals can be submitted at any time until September 30, 2026.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Diane Brown, Email: diane.brown@noaa.gov

Meeting:

Advanced Scientific Computing Advisory Committee

FON:

Agency:

Energy

Item:

Notice announcing a meeting of the Advanced Scientific Computing Advisory Committee. The purpose is to provide advice and guidance on a continuing basis to the Office of Science and the Department of Energy on scientific priorities within the field of advanced scientific computing research.

Action:

The meeting will be held September 26-27, 2024 at Hilton Arlington National Landing, 2399 Richmond Highway, Arlington, VA.

Links:

[Federal Register](#)

Contact:

Christine Chalk, 301-903-7486. Email: christine.chalk@science.doe.gov

Science/Technology/Engineering/Math 9/03/2024

Funding Opportunity:

Advancing Informal STEM Learning

FON:

24-601

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects that support research and practice that further illuminates informal STEM learning's role in engagement, broadening participation, and belonging in STEM; personal and educational success in STEM; advancing public engagement in scientific discovery; fostering interest in STEM careers; creating and enhancing the theoretical and empirical foundations for effective informal STEM learning; improving community vibrancy; and/or enhancing science communication and the public's engagement in and understanding of STEM and STEM processes. The AISL Program funds five types of projects: (1) Synthesis; (2) Conference; (3) Partnership Development and Planning; (4) Integrating Research and Practice; and (5) Research in Support of Wide-reaching Public Engagement with STEM.

Action:

Proposals are due January 8, 2025. An estimated 77 awards are available, with amounts varying by project type.

Links:

[Grants.gov](https://grants.gov)

[Solicitation](#)

Contact:

AISL program staff, 703-292-8616. Email: DRLAISL@nsf.gov

Funding Opportunity:

Deployed Warfighter Protection (DWFP) Program for the Protection of Deployed Military Personnel from Threats Posed by Arthropod Disease Vectors

FON:

AFPMB-BAA-25-01

Agency:

Defense

Item:

Notice seeking proposals for original and innovative research that supports the development of new insecticides, or improved formulations of existing insecticides for vector control, new technology or enhanced modalities of personal protection from biting arthropods, or improved efficacy and sustainability of equipment for application of pesticides. Applications must address at least one of these FY25 DWFP Program Research Areas: bite prevention, vector control, decision support tools or software applications, vector surveillance and identification, and/or vector pathogen diagnostics.

Action:

Required pre-proposals are due October 4, 2024. Invited proposals are due January 28, 2025. An estimated \$5 million is available to fund up to six awards.

Links:

[Grants.gov](https://www.grants.gov)

[Solicitation](#)

Contact:

Questions, 301-682-5507. Email: help@eBRAP.org

Funding Opportunity:

FY 25 Bluefin Tuna Research Program

FON:

NOAA-NMFS-SE-2025-28400

Agency:

Commerce

Item:

Notice seeking proposals for research that will improve understanding of the fisheries, total abundance, and biology of bluefin tuna, especially regarding the effects of mixing and movement between the eastern and western Atlantic populations.

Action:

Proposals are due November 1, 2024. An estimated five awards ranging from \$25,000 to \$300,000 each are available to support projects lasting up to one year.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Dax Ruiz, 727-824-5324. Email: Dax.Ruiz@noaa.gov

Funding Opportunity:

FY25 Neotropical Migratory Bird Conservation Act Grants

FON:

F25AS00015

Agency:

Interior

Item:

Notice seeking proposals to support projects that promote the conservation of neotropical migratory birds and their habitats in the United States, Canada, Latin America and the Caribbean.

Action:

Proposals are due October 31, 2024. Approximately 20-35 awards ranging from \$10,000 to \$250,000 each are available.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Stacy Sanchez, 703-358-2017. Email: stacy_sanchez@fws.gov

Funding Opportunity:

Quantum Benchmarking Initiative (QBI)

FON:

DARPA-PS-24-26

Agency:

Defense

Item:

Notice seeking proposals for innovative approaches to address challenges related to quantum computing. The program will examine approaches to constructing a utility-scale fault-tolerant quantum computer and computational workflows that include quantum compute steps.

Action:

Required abstracts are due September 19, 2024. Oral proposals are due October 28, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

QBI PS Coordinator, Email: QBI@darpa.mil

Funding Opportunity:

ROSES 2024: A.60 Earth Action: Ecological Conservation

FON:

NNH24ZDA001N-ECON

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for projects that apply Earth observations to improve or develop decision-making activities in ecological conservation and management. Any area of

ecological conservation is welcome (e.g., invasive species, protected area management, fisheries or wildlife management, habitat restoration, ecosystem services, rewilding, biodiversity protection). The program welcomes proposals looking at any biome (terrestrial, A.60-2 freshwater, marine, or airborne) or geography. All projects must combine three components: NASA Earth observations, in situ biological observations, and ecological models to develop decision-support tools.

Action:

Proposals are due March 14, 2025. Notices of intent are requested by February 14, 2025. An estimated \$3 million per year is available to fund 10 to 20 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Keith Gaddis, 202-358-4651. Email: keith.gaddis@nasa.gov

Meeting:

Astronomy and Astrophysics Advisory Committee; Notice of Meeting

FON:

2024-19454

Agency:

National Science Foundation

Item:

Notice announcing an open meeting scheduled to include presentations of current programming by representatives from NSF, NASA, DOE and other agencies relevant to astronomy and astrophysics; to discuss current and potential areas of cooperation between the agencies; to formulate recommendations for continued and new areas of cooperation and mechanisms for achieving them.

Action:

The meeting will be held September 19-20, 2024, from 9:00 a.m. to 4:00 p.m. (ET) via Zoom. Register [here](#) to attend.

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Daniel Fabrycky, 703-292-8490.

Notice:

Announcement for Partnership Proposals (AFPP) For One or More Partnership Agreements Related to University Capstone Projects

FON:

NNH24NOC001

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals from colleges and universities to partner with NASA on students' capstone projects in an effort to better prepare cross-disciplinary undergraduate and graduate students for increasingly complex and challenging STEM career pathways by providing real-world collaborative research experiences. Consistent with university requirements, students will either earn college credit for their participation in the capstone or the capstone will otherwise contribute to their academic coursework. NASA OSTP will coordinate with university faculty to support the identification of relevant areas of research, issues, or problems that the student team can use to develop specific studies.

Action:

Proposals are due September 20, 2024.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Ave Kludze, 202-358-2098. Email: ave.k.kludze@nasa.gov

Notice:

Processing of Unique Materials for Precursors of Kinetically Innovative Networks
(PUMPKIN)

FON:

DARPA-SN-24-91

Agency:

Defense

Item:

Notice seeking information in the area of synthetic chemistry to expand its understanding for converting diverse and uncommon input materials into as many discrete molecules as possible that can eventually be further reacted to yield molecules of high density, > -100% oxygen balance (OB), and/or contain high strain energy with backbones such as, but not limited to, aliphatic, amines, aromatics, azides, diazo complexes, cyclic compounds, esters, ethers, heterocyclic organic compounds (e.g., triazoles, tetrazoles, furazans), organometallic complexes, peroxides, picrates, polyols, salts, strained cages, and more compounds using laboratory scale equipment.

Action:

Responses are due September 16, 2024 to DARPA-SN-24-91@darpa.mil.

Links:

[Contract Opportunities](#)

Contact:

John "Hunter" Martin, Email: DARPA-SN-24-91@darpa.mil

Science/Technology/Engineering/Math 8/30/2024

Funding Opportunity:

FY2025 Weather Program Office Research Programs Announcement

FON:

NOAA-OAR-WPO-2025-28108

Agency:

Commerce

Item:

Notice seeking proposals for four grant competitions: Innovations for Community Modeling; Observations; Social, Behavioral, and Economic Sciences (SBES); and Verification of the Origins of Rotation in Tornadoes Experiment in the United States. Projects should focus on advancing science and technology from research innovations to transitionable outputs or prototype products that NOAA or external partners could further develop into practical applications and operations.

Action:

Required letters of intent are due September 18, 2024. Proposals are due November 15, 2024.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Jordan Dale, Email: jordan.dale@noaa.gov

Funding Opportunity:

NOAA Great Lakes Fish Habitat Restoration Partnership Grants

FON:

NOAA-NMFS-HCPO-2024-28122

Agency:

Commerce

Item:

Notice seeking proposals to provide federal financial and technical assistance to habitat restoration projects that meet NOAA's mission to restore coastal habitats and support the Great Lakes Restoration Initiative (GLRI).

Action:

Proposals are due October 28, 2024; September 5, 2025; and September 4, 2026. Awards are up to \$5 million.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Rina Studds, 301-427-8651. Email: rina.studds@noaa.gov

Funding Opportunity:

NSF Trailblazer Engineering Impact Award (Trailblazer)

FON:

24-600

Agency:

National Science Foundation

Item:

Notice seeking proposals to support individual investigators who propose novel research projects with the potential to innovatively and creatively address national needs and/or grand challenges, advance US leadership, and catalyze the convergence of engineering and science domains.

Action:

Required letters of intent are due November 15, 2024. An estimated \$15 million is available to fund up to five awards.

Links:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

Contact:

TRAILBLAZER Program, Email: TRAILBLAZER@nsf.gov

Funding Opportunity:

Puerto Rico Energy Resilience Fund: Resilient Communities Program

FON:

DE-FOA-0003348

Agency:

Energy

Item:

Notice seeking proposals to improve resilience at a community level for vulnerable populations and disadvantaged communities. Specifically, this FOA is targeting installations for common areas within public or privately owned subsidized multi-family properties to ensure low- and moderate-income individuals or individuals with energy dependent disabilities (Topic Area 1) and community healthcare facilities have continuous access to critical services during power outages (Topic Area 2).

Action:

Proposals are due October 22, 2024. An estimated \$325 million is available to fund up to four awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Email: GDO_FOA3096@netl.doe.gov

Funding Opportunity:

Quantum Leap Challenge Institutes

FON:

24-599

Agency:

National Science Foundation

Item:

Notice seeking proposals for large-scale interdisciplinary research projects motivated by major challenges at the frontiers of quantum information science and technology (QIST). Institutes are expected to catalyze breakthroughs on important problems underpinning QIST. Two proposals per organization are allowed.

Action:

Required letters of intent are due February 7, 2025. Required pre-proposals are due March 7, 2025. Full proposals are by invitation only. Up to \$300 million is available to fund 5 to 10 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

QLCI Program Management Team, 703-292-5302. Email: QLCI@nsf.gov

Funding Opportunity:

USASMDC Space and Missile Defense Technical Center (SMDTC) Broad Agency Announcement For Science, Technology, and Test and Evaluation Research

FON:

W9113M-24-R-BAA1

Agency:

Defense

Item:

Notice seeking proposals to supports the joint warfighter by providing science, technology, and test and evaluation expertise to enable warfighter dominance today and in the future. As part of the Army Science and Technology enterprise, the SMDTC contributes to the current fight and enables the next generation to prevail in conflicts to come. The SMDTC focuses on three essential tasks: executing science and technology, research and development, and test and evaluation; managing and operating the Ronald Reagan Ballistic Missile Defense Test Site; and conducting space operations and space domain awareness.

Action:

Required white papers are accepted until August 26, 2029 via e-mail to the contract specialist for the topic proposed against. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Adam R. Neely, Email: Adam.r.neely.civ@army.mil

Meeting:

President's National Infrastructure Advisory Council Meeting

FON:

Agency:

Homeland Security

Item:

Notice announcing a meeting of the President's National Infrastructure Advisory Council.

Action:

The meeting will be held on September 10, 2024, from 1:00 p.m. to 5:00 p.m. EDT. The meeting will be held at 1650 17th St. NW, Washington, DC; however, members of the public may participate via teleconference only. Registrations are required by September 4, 2024.

Links:

[Federal Register](#)

Contact:

Jonathan Dunn, 202-731-1020. Email: NIAC@cisa.dhs.gov

Meeting:

Strategic Environmental Research and Development Program Scientific Advisory Board

FON:

Agency:

Defense

Item:

Notice announcing a meeting of the Strategic Environmental Research and Development Program (SERDP) Scientific Advisory Board (SAB). The purpose of the meeting is for the SERDP SAB to make recommendations regarding technologies, research, projects, programs, activities, and, if appropriate, funding within the scope of SERDP FY 2025.

Action:

The meeting will be held September 16, 2024 to September 19, 2024 from 9 a.m. to 5 p.m. EDT. The meeting will be held at Hilton Arlington National Landing, 2399 Richmond Highway, Arlington, VA.

Links:

[Federal Register](#)

Contact:

Kimberly Spangler, 703-571-2477. Email: kimberly.y.spangler.civ@mail.mil

Notice:

Request for Information (RFI) - Engineering Solutions to Harvest Biomass Carbon for Durable Removal and Storage (Carbon Harvesting)

FON:

DE-FOA-0003421

Agency:

Energy

Item:

Notice seeking input for a potential ARPA-E program focused on leveraging the zero-energy carbon dioxide capture process provided by photosynthesis to develop novel, transformational technologies that improve the energy efficiency of the carbon dioxide removal (CDR) sector. CDR activity within the U.S. and global economies is necessary to reach the net zero targets established by public and private sector actors.

Action:

Responses should be submitted in PDF format to ARPA-E-RFI@hq.doe.gov by September 27, 2024.

Links:

[Grants.gov](#)
[ag](#)

Contact:

Email: ARPA-E-CO@hq.doe.gov

Notice:

Request for Information on the CHIPS and Science Act Section 10343. Research Ethics

FON:

Agency:

National Science Foundation

Item:

Notice seeking input to inform the development of the agency's response to Section 10343. Research Ethics in the CHIPS and Science Act of 2022.

Action:

Comments are due November 15, 2024.

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Jason Borenstein, 703-292-4207. Email: CHIPSEthicsRFI@nsf.gov

Science/Technology/Engineering/Math 8/27/2024

Funding Opportunity:

Environmental Security Technology Certification Program (ESTCP) - Environmental Technology Demonstrations – Open Topics Broad Agency Announcement (BAA)

FON:

W912HQ24S0005

Agency:

Defense

Item:

Notice seeking white paper proposals to support the demonstration and validation of environmental and installation energy technologies.

Action:

White papers are accepted on a rolling basis until August 21, 2025. Selected applicants will be invited to submit a full proposal. An estimated \$10 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Aimee Johnson, 703-428-6551.

Email: Aimee.N.Johnson@usace.army.mil

Funding Opportunity:

IJA-IRA Bureau of Land Management National Operations Center (NOC) Forest and Woodlands Resource Management

FON:

L24AS00440

Agency:

Interior

Item:

Notice seeking proposals that will focus on activities that promote forest and woodland health, sustainable forest management, fire resiliency, biomass utilization for bioenergy, habitat conservation needs, and insect, disease and fire recovery. These activities could

include, but are not limited to: planting trees, pre-commercial and commercial thinning, salvage/sanitation forest treatments, control of competing vegetation, fuels reduction, riparian or upland restoration, project development and layout, planning analysis and document preparation needed in concert with or to carry out Land Use Planning Decisions, Endangered Species Act or cultural clearances, data collection, and monitoring.

Action:

Proposals are due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Stephanie McBride, 303-916-1202. Email: smcbride@blm.gov

Funding Opportunity:

IJA-IRA Bureau of Land Management National Operations Center (NOC) Invasive and Noxious Plant Management Program

FON:

Agency:

Interior, Interior

Item:

Notice seeking proposals that support strategic efforts to combat noxious weeds and invasive species on public lands, and support the health of native landscapes. Especially encouraged are projects that help prevent, detect, and eradicate noxious weeds and invasive plant species; development of outreach and education materials to engage the public; and the development of methods or modeling to increase the detection and mapping of noxious weeds and invasive plant species.

Action:

Proposals are due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Stephanie McBride, 303-916-1202. Email: smcbride@blm.gov

Funding Opportunity:

IJA-IRA Bureau of Land Management National Operations Center (NOC) Plant Conservation and Restoration Management

FON:

L24AS00441

Agency:

Interior

Item:

Notice seeking proposals that advance the National Native Seed Strategy. Activities can include, but are not limited to: seed conservation, habitat monitoring, protection, and restoration; implementation of conservation for high priority rare plant species; studies of rare plant biology and threats; and studies to improve the effectiveness of conservation restoration efforts; collaboration with growers to develop genetically appropriate native plant material for use in habitat restoration and rehabilitation; pollinator studies; public education and outreach programs.

Action:

Proposals due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Stephanie McBride, 303-916-1202. Email: smcbride@blm.gov

Funding Opportunity:

IIIA-IRA Bureau of Land Management National Operations Center (NOC) Recreation and Visitor Services Program

FON:

Agency:

Interior

Item:

Notice seeking proposals for projects that build healthy communities and economies, advance environmental justice, address the climate crisis, and provide safe and equitable access to outdoor recreation opportunities for all Americans. Particularly encouraged are projects that connect with youth, tribes, and underserved communities to foster public lands stewardship; improve climate resiliency on public lands while enhancing outdoor recreation opportunities and activities; enhance access to quality recreation opportunities for nature-deprived communities; identify and remove outdoor recreation barriers and expand recreation opportunities for all; provide an enhanced, more sustainable recreational experience by delivering up-to-date and engaging visitor information.

Action:

Proposals are due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Stephanie McBride, 303-916-1202. Email: smcbride@blm.gov

Funding Opportunity:

IIIA-IRA Bureau of Land Management National Operations Center (NOC) Threatened and Endangered Species Program

FON:

L24AS00438

Agency:

Interior

Item:

Notice seeking proposals for projects that are state or regional in scope or projects that provide a programmatic approach for improving the Bureau effectiveness or efficiency for conservation efforts for threatened and endangered species. The National Operations Center (NOC) program is looking for projects that will result in or facilitate national implementation or outreach of tangible on the ground actions that will improve species populations (numbers, representation, or resilience) or reduce population level threats, and support (NOC) Threatened and Endangered Species Program efforts to conserve and recover over 330 federally-listed and over 2,700 Bureau sensitive animal and plant species and their habitat on public lands.

Action:

Proposals are due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Stephanie McBride, 303-916-1202. Email: smcbride@blm.gov

Funding Opportunity:

IJA-IRA Bureau of Land Management National Operations Center (NOC) Wildlife Resource Management

FON:

L25AS00437

Agency:

Interior

Item:

Notice seeking proposals to provide for the long-term conservation of wildlife and biodiversity on public lands. The Wildlife Program particularly encourages program activities that support maintaining functioning wildlife habitats, developing, and

implementing restoration projects, and the inventory and monitoring of priority habitats and species to track trends and use on public lands. The Wildlife Program uses a science-based approach to manage public lands to identify projects that support meeting land health standards and desired resource objectives for priority species and habitats, as outlined in land use plans. The program is focused on addressing habitat connectivity issues and implementing projects that consider climate change impacts to short- and long-term objectives.

Action:

Proposals are due September 30, 2024. An estimated \$800,000 is available to fund up to five awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Amy Fesnock Parker, 916-681-1701. Email: afesnock@blm.gov

Funding Opportunity:

NASA Space Technology Graduate Research Opportunities Fall 2025

FON:

NNH24ZTR001N-25NSTGRO-B4

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals from applicants for graduate student research that has significant potential to contribute to NASA's goal of creating innovative new space technologies for our Nation's science, exploration, and economic future. Fellows will perform research at their respective campuses and at NASA Centers. Each recipient will be matched with a technically relevant and community-engaged NASA researcher who will serve as the research collaborator on the award. Through this collaboration, graduate students will be able to take advantage of broader and/or deeper space technology research opportunities directly related to their academic and career objectives, acquire a

more detailed understanding of the potential end applications of their space technology efforts, and directly disseminate their research results within the NASA community.

Action:

Proposals due November 1, 2024. 55 awards are anticipated, and the maximum award amount is \$84,000.

Links:

[Grants.gov](#)

[Solicitation](#)

[Contract Opportunities](#)

Contact:

Matthew Deans, 202-479-9376. Email: hq-nstgro-call@mail.nasa.gov

Funding Opportunity:

National Oceanographic Partnership Program (NOPP) 2024

FON:

N0001424SB003

Agency:

Defense

Item:

Notice seeking research proposals across two topic areas: 1) A Global Multi-agency Experiment on Internal Wave Energy, Mixing and Interactions in the Ocean and Their Representation in Global Ocean Models and Operational Forecasts; and 2) Low-Cost, Air Deployable 400m Profiling CTD Floats for investigating submesoscale eddies – Design Study and Demonstration. CTD stands for conductivity, temperature, and depth, and refers to a package of electronic instruments that measure these properties.

Action:

Proposals are due November 22, 2024. An estimated \$23 million is available to fund multiple awards over three years.

Links:

[Grants.gov](#)
[Solicitation](#)
[Contract Opportunities](#)

Contact:

Reginald Beach, Email: Reginald.A.Beach.civ@us.navy.mil

Funding Opportunity:

Strategic Environmental Research and Development Program (SERDP) – Open Topics Broad Agency Announcement (BAA)

FON:

W912HQ24S0004

Agency:

Defense

Item:

Notice seeking white papers for research focusing in the areas of Environmental Restoration, Munitions Response, Resource Conservation and Resilience, and Weapons Systems and Platforms technologies.

Action:

White papers are accepted on a rolling basis until August 21, 2025. Selected applicants will be invited to submit full proposals. Approximately \$10 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)
[Agency Site](#)

Contact:

Aimee Johnson, 703-428-6551. Email: Aimee.N.Johnson@usace.army.mil

Meeting:

XENA Proposers Day

FON:

DARPA-SN-24-83

Agency:

Defense

Item:

Notice announcing a virtual Proposers Day to provide information to potential proposers on the objectives of an anticipated Program Solicitation (PS) for the X-Ray Extreme-Range Non-Imaging Analysis (XENA) program.

Action:

The proposers' day will be held on September 12, 2024, from 3:00 to 5:00 p.m. Advance registration is required for attending the Q&A webinar. Registrations are due by September 9, 2024.

Links:

[Contract Opportunities](#)

Contact:

Michael Nayak, Email: XENA@darpa.mil

Science/Technology/Engineering/Math 8/23/2024

Funding Opportunity:

Broad Agency Announcement (BAA) for Chemical Biological Radiological Nuclear and Explosive (CBRNE) Defense Efforts Under Procurement Contracts, Cooperative Agreements, And Prototypes Under Other Transactions Agreements

FON:

W911SR-24-R-DEVB

Agency:

Defense

Item:

Notice seeking proposals to provide innovative chemical, biological, radiological, nuclear and explosive (CBRNE) defense capabilities to enable the Joint Warfighters' dominance on the battlefield and interagency defense of the homeland.

Action:

Proposals accepted any time through August 20, 2029.

Links:

[Contract Opportunities](#)

Contact:

Marc Lukaszewicz, Email: marc.s.lukaszewicz.civ@army.mil

Funding Opportunity:

Carbon Capture, Removal, and Conversion Test Centers

FON:

DE-FOA-0003365

Agency:

Energy

Item:

Notice seeking proposals to cost-effectively research and evaluate, in an integrated process, the technical efficacy of advanced systems and components under relevant industrial or power plant operating conditions.

Action:

Proposals are due October 31, 2024. An estimated \$127.5 million is available to fund up to 10 awards. Cost share must be at least 30% of the total allowable costs of the project.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Questions, <https://www.FedConnect.net>

Funding Opportunity:

Mid-scale Research Infrastructure-1

FON:

24-598

Agency:

National Science Foundation

Item:

Notice seeking proposals to support either design activities or implementation of unique and compelling RI projects. Mid-scale implementation projects may include any combination of equipment, instrumentation, cyberinfrastructure, broadly used large scale datasets and the personnel needed to successfully commission the project. Mid-scale RI-1 projects should involve the training of a diverse workforce engaged in the design and implementation of STEM research infrastructure. Projects may also include upgrades to existing research infrastructure.

Action:

Required preliminary proposals are due November 18, 2024 and September 1, 2026. Approximately \$100 million is available for 10 awards.

Links:

[Grants.gov](https://www.Grants.gov)
[Solicitation](#)

Contact:

Randy Phelps, 703-292-5049. Email: rphelps@nsf.gov

Funding Opportunity:

ROSES 2024: A.32 Precipitation Measurements Mission and CloudSat and Calipso Science Team Recompete

FON:

NNH24ZDA001N-PMMCCST

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals that will provide insight into the eventual use of the Atmospheric Observing System (AOS) constellation as an integrated observatory.

Action:

Proposals are due November 20, 2024. Notices of Intent are requested by October 11, 2024. An estimated \$8.5 million is available to fund 43 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Will McCarty, 202-358-0257. Email: will.mccarty@nasa.gov

Meeting:

DOE and National Science Foundation Nuclear Science Advisory Committee

FON:

Agency:

Energy

Item:

Notice announcing an in-person meeting of the DOE/NSF Nuclear Science Advisory Committee (NSAC). The purpose of the Board is to provide advice and guidance on a continuing basis to the Department of Energy and the National Science Foundation on scientific priorities within the field of basic nuclear science research.

Action:

The meeting will be held Thursday, September 12, 2024; 9 a.m. -5 p.m. EDT at Hilton Washington DC/Rockville Hotel & Executive Meeting Center, 1750 Rockville Pike, Rockville, Maryland.

Links:

[Federal Register](#)

Contact:

Brenda L. May, 301-903-0536. Email: Brenda.May@science.doe.gov

Meeting:

Manufacturing Extension Partnership (MEP) Advisory Board

FON:

Agency:

Commerce

Item:

Notice announcing participation in the Manufacturing Extension Partnership (MEP) Advisory Board. The purpose of the meeting is to provide the NIST Director with: (1) advice on the activities, plans and policies of the Program; (2) assessments of the soundness of the plans and strategies of the Program; and (3) assessments of current performance against the plans of the Program.

Action:

The meeting will be held on September 16, 2024, from 10 a.m. to 5 p.m. ET. The meeting will be open to the public. The meeting will be held in person at the Manufacturing Advocacy and Growth Network (MAGNET) office: 1800 East 63rd Street, Cleveland, OH.

Links:

[Federal Register](#)

Contact:

Monica Claussen, 301-975-5020. Email: mepab@nist.gov

Notice:

Opportunity to collaborate using a Cooperative Research and Development Agreement (CRADA)

FON:

24_06

Agency:

Energy

Item:

National Technology & Engineering Solutions of Sandia (NTESS) seeking to collaborate with non-federal entities (NFEs) to leverage a broad spectrum of talent and capabilities. A CRADA Participant benefits from Sandia's programs and capabilities to potentially improve products/technologies for increased commercialization opportunities, furthers understanding of fundamental science in academia, and/or provides cutting-edge capabilities to help ensure our nation's security. What distinguishes a CRADA from other technology transfer mechanisms is the collaborative nature of the work; through a CRADA a Participant and NTESS will work together as collaborators.

Action:

Expressions of Interest are due February 19, 2025.

Links:

[Contract Opportunities](#)

Contact:

CRADA Team, Email: CRADA@sandia.gov

Science/Technology/Engineering/Math 8/20/2024

Funding Opportunity:

Fiscal Year 2025 University Reactor Sharing and Outreach

FON:

DE-FOA-0003313

Agency:

Energy

Item:

Notice seeking proposals to support projects that (1) Strengthen nuclear science and engineering instruction in the curricula of colleges and universities that do not own research reactors; (2) Increase opportunities for collaboration among faculty and students

on nuclear science and engineering; (3) Improve community awareness and understanding of nuclear science, engineering, and technology through research reactor visits and other outreach opportunities; and (4) Engage with historically underrepresented communities in science, technology, engineering, and mathematics (STEM) to promote nuclear science, engineering, and technology to educate and recruit the next generation nuclear energy workforce.

Action:

Proposals are due October 16, 2024. An estimated \$1 million is available to fund five awards of up to \$200,000 each are available.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Andrew Ford, 208-526-3059. Email: fordaj@id.doe.gov

Funding Opportunity:

National Resource Coordination Center on Improving Undergraduate STEM Education (IUSE)

FON:

24-596

Agency:

National Science Foundation

Item:

Notice seeking proposals that will be an intellectual partner to the IUSE: EDU community and NSF. Working in concert with the IUSE: EDU program, the goal of the IUSE Center is to serve as a focal point and intellectual partner for the IUSE: EDU community.

Action:

Proposals are due November 14, 2024. An estimated \$7.5 million is available.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Ellen M. Carpenter, 703-292-5104. Email: elcarpen@nsf.gov

Funding Opportunity:

U.S. National Science Foundation Research Traineeship (NRT) Program

FON:

24-597

Agency:

National Science Foundation

Item:

Notice seeking proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary or convergent research areas, through a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs.

Action:

Proposals are due November 14, 2024. An estimated \$53 million is available to fund 18 to 20 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Daniel Denecke, 703-292-8072. Email: ddenecke@nsf.gov

Meeting:

National Advisory Committee on Meat and Poultry Inspection

FON:

Agency:

U.S. Department of Agriculture

Item:

Notice seeking participation in a public meeting. The purpose of the Committee is to advise the Secretary of Agriculture on State and Federal meat and poultry inspection programs, food safety, and other matters that fall within the scope of the Federal Meat Inspection Act and the Poultry Products Inspection Act.

Action:

Meeting will be held September 16-17, 2024. Registration is required for attendance and for making public comments.

Links:

[Federal Register](#)

Contact:

Katrina Green, 202-205-0495. Email: NACMPI@usda.gov

Notice:

Request for Nominations of Experts to the Office of Research and Development's Board of Scientific Counselors Advisory Committee

FON:

Agency:

Environmental Protection Agency

Item:

Notice seeking nominations for individuals to serve for up to six years on the Board of Scientific Counselors. The Board provides independent scientific and technical peer review, advice, consultation and recommendations. Ideal nominees are non-EPA scientists, engineers, and economists who are experts in their respective fields. The EPA will consider nominees from: industry, business, public and private research institutes or organizations, academia, government (Federal, State, local, and Tribal) and non-government organizations, and other relevant interest areas.

Action:

Nominations should be submitted by September 6, 2024.

Links:

[Federal Register](#)

Contact:

Tom Tracy, 919-541-4334. Email: tracy.tom@epa.gov

Science/Technology/Engineering/Math 8/16/2024

Funding Opportunity:

Climate Program Office FY2025 Atmospheric Chemistry, Carbon Cycle, and Climate (AC4) Program

FON:

NOAA-OAR-CPO-2025-27839

Agency:

Commerce

Item:

Notice seeking proposals to support research to determine the processes governing atmospheric concentrations of trace gases and aerosols in the context of the Earth System. The program aims to contribute a process-level understanding of the Earth System through observation, modeling, analysis, and field studies to support the development and improvement of models, and to inform carbon and air pollution management efforts.

Action:

Proposals are due December 9, 2024. Letters of intent are strongly encouraged by September 18, 2024. The maximum award amount is \$250,000. Eight to Ten awards are anticipated.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Diane Brown, Email: diane.brown@noaa.gov

Funding Opportunity:

**Climate Program Office FY2025 Climate Variability and Predictability (CVP) Program:
TEPEX-E**

FON:

NOAA-OAR-CPO-2025-27756

Agency:

Commerce

Item:

Notice seeking proposals for the following competition: Implementation of the Tropical Pacific Observing System (TPOS) Equatorial Pacific EXperiment-East (TEPEX-E) Field Campaign. The Climate Variability and Predictability (CVP) Program supports research that enhances our process-level understanding of the climate system through observation, modeling, analysis, and field studies.

Action:

Proposals are due January 17, 2025. An estimated \$3 million is available to fund multiple awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Anne Li, Email: anne.li@noaa.gov

Funding Opportunity:

Enabling Technologies for Electronic Warfare and Surveillance

FON:

N0001424SBC10

Agency:

Defense

Item:

Notice seeking proposals for innovative solutions to control the Electromagnetic Spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum while ensuring persistent naval intelligence, surveillance, and reconnaissance (ISR) capabilities.

Action:

Proposals are due December 20, 2024. White papers are encouraged and due September 26, 2024.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Kevin Leonard, Email: ONR.NCR.312.list.ISR-Admin@us.navy.mil

Funding Opportunity:

FY 2024 – 2026 - Broad Agency Announcement (BAA) Announcement Type: Initial

FON:

NOAA-NOS-MB-27779

Agency:

Commerce

Item:

Notice seeking proposals for extramural research, innovative projects, and sponsorships (e.g., conferences, newsletters, etc.) that address one or more of the following four mission goal descriptions contained in the NOAA Strategic Plan: Climate Adaptation and Mitigation; Weather-Ready Nation and Society is prepared for and responds to weather-related events; Healthy Oceans Marine fisheries, habitats, and biodiversity sustained within healthy and productive ecosystems; and Resilient

Coastal Communities and Economies Coastal and Great Lakes communities are environmentally and economically sustainable.

Action:

Proposals are accepted until September 30, 2026. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Kadija Baffoe-Harding, 240-533-0955. Email: kadija.baffoeharding@noaa.gov

Funding Opportunity:

FY 2024 – 2026 - Broad Agency Announcement (BAA) for the Office of Education

FON:

NOAA-SEC-OED-2024-28060

Agency:

Commerce

Item:

Notice seeking proposals for special projects and programs associated with NOAA's strategic plan and mission goals, as well as to provide the general public with information and guidelines on how NOAA will select applications and administer discretionary Federal assistance under this Broad Agency Announcement (BAA).

Action:

Proposals are accepted until September 30, 2026. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

John McLaughlin, 202-743-0854. Email: John.McLaughlin@noaa.gov

Funding Opportunity:

FY2025 Climate Variability and Predictability (CVP) Program: TEPEX-C

FON:

NOAA-OAR-CPO-2025-27999

Agency:

Commerce

Item:

Notice seeking proposals for the following competition: Implementation of the Tropical Pacific Observing System (TPOS) Equatorial Pacific EXperiment-Central (TEPEX-C) Field Campaign. The Climate Variability and Predictability (CVP) Program supports research that enhances our process-level understanding of the climate system through observation, modeling, analysis, and field studies.

Action:

Proposals are due January 17, 2025. An estimated \$3 million is available to fund multiple awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Diane Brown, Email: diane.brown@noaa.gov

Funding Opportunity:

Heliophysics Citizen Science Investigations

FON:

NNH24ZDA001N-HCSI

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for medium-scale citizen science projects to expand participation of citizen scientists in NASA heliophysics research, bringing unprecedented statistical power and new insights not realistically achievable by other means. For this program element, citizen science is defined as efforts or projects that use voluntary public participation, including – but not limited to – formulating research questions, conducting experiments, collecting and analyzing data collected by members of the community and/or professional scientists, interpreting results, making new discoveries, and/or developing or deploying technologies and applications.

Action:

Step-1 proposals are due November 14, 2024. An estimated \$700,000 is available to fund up to four awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Susanna Finn, 202-390-7575. Email: susanna.c.finn@nasa.gov

Funding Opportunity:

Integrating Observations and Modeling in Support of Process Understanding Relevant to Solar Radiation Modification Research

FON:

NOAA-OAR-2025-CPO-27994

Agency:

Commerce

Item:

Notice seeking proposals to support research to Improve the understanding of aerosol impacts on the Earth’s energy balance; Establish a capability to observe and monitor stratospheric conditions; Detect and accurately simulate the impacts of natural and human-caused aerosol; Injections on radiative forcing, weather, climate, and the Earth system; and Apply this improved foundational understanding to Earth system prediction.

Action:

Proposals are due December 9, 2024. Letters of intent are encouraged by September 18, 2024. The maximum amount for awards is \$300,000. Two to four awards are anticipated.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Diane Brown, Email: diane.brown@noaa.gov

Funding Opportunity:

Leveraging Uncrewed Systems Data for Climate Applications

FON:

NOAA-OAR-CPO-2025-27829

Agency:

Commerce

Item:

Notice seeking proposals to support work that 1) provides usable and findable datasets to enable further monitoring and modeling efforts by research and operational communities and 2) builds authoritative, long-term datasets and analyses for assessment activities.

Action:

Proposals are due December 9, 2024. An estimated \$1.6 million is available to fund up to eight awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Kathleen Palermo, Email: Kathleen.Palermo@noaa.gov

Funding Opportunity:

Notice of Funding Opportunity Announcement (NOFO), Minority Serving Institutions Grant Program (MSIGP), Scholarships and Fellowships, Fiscal Year (FY) 2024

FON:

31310024K0004

Agency:

Nuclear Regulatory Commission

Item:

Notice seeking proposals to assist MSIs in their efforts to achieve academic excellence; build capability, capacity, and infrastructure; develop human capital; and to create a diverse, inclusive, and skilled Science, Technology, Engineering, and Mathematics (STEM) pipeline of underrepresented groups in fields related to the nuclear and/or STEM-related industry.

Action:

Proposals are due October 4, 2024. An estimated \$1.975 million is available to fund five to eight awards. An institution may submit only one application.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Larniece McKoy Moore, 301-415-1942. Email: Larniece.MckoyMoore@nrc.gov

Funding Opportunity:

S&T FY 2024 – 2026 - Broad Agency Announcement (BAA) Announcement Type: Initial

FON:

NOAA-OAR-OER-2024-27749

Agency:

Commerce

Item:

Notice seeking proposals for special projects and programs associated with NOAA's strategic plan and mission goals, as well as to provide the general public with information and guidelines on how NOAA will select applications and administer discretionary Federal assistance under this Broad Agency Announcement (BAA).

Action:

Proposals are accepted until September 30, 2026. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Melissa Dixon, 302-648-6106. Email: melissa.dixon@noaa.gov

Funding Opportunity:

Understanding and Assessing drought in a Changing Climate (NIDIS)

FON:

NOAA-OAR-CPO-2025-27758

Agency:

Commerce

Item:

Notice seeking proposals to 1) provide effective drought early warning for the nation; 2) conduct research and monitoring activities to better understand length, severity, and impacts of drought and the role of extreme weather events and climate variability in drought, 3) collect, integrate, and communicate information on key indicators and impacts of drought to inform timely drought assessments, 4) support improvements in seasonal, sub-seasonal, and low flow water prediction; and 5) provide timely data, information, and products that reflect watershed differences in drought conditions.

Action:

Proposals are due December 9, 2024. An estimated \$2 million is available to fund up to eight awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Debbie Galo, Email: Debbie.galo@noaa.gov

Meeting:

Hazardous Waste Electronic Manifest System (“e-Manifest”) Advisory Board

FON:

Agency:

Environmental Protection Agency

Item:

Notice announcing a virtual public meeting. The purpose of the meeting is for EPA to seek the Board's consultation and recommendations regarding the e-Manifest system. The meeting theme will be “Meeting the Needs of the User Community: e-Manifest Program Priorities and User Fees for FY 2026 and 2027.”

Action:

The meeting will be held September 17-19, 2024. To participate in public comments during the meeting, registration is required by September 10, 2024.

Links:

[Federal Register](#)

Contact:

Fred Jenkins, 202-566-0344. Email: jenkins.fred@epa.gov

Meeting:

Human Exploration and Operations Committee

FON:

24-049

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the Human Exploration and Operations Committee of the NASA Advisory Council (NAC).

Action:

The meeting will be held Thursday, August 29, 2024, 9:30 a.m. to 3 p.m. via virtual only.

Links:

[Federal Register](#)

Contact:

Bette Siegel, 202-358-2245. Email: bette.siegel@nasa.gov

Meeting:

Proposers Day Announcement: Heterogenous Adaptively Produced Photonic Interfaces (HAPPI)

FON:

DARPA-SN-24-95

Agency:

Defense

Item:

Notice announcing an in-person Proposers Day in support of the Heterogenous Adaptively Produced Photonic Interfaces (HAPPI) program. The HAPPI program aims to create a 1000x increase in the information movement density within a microsystem using photonic signaling.

Action:

The meeting will be held September 16, 2024, at 9:00 a.m. to 5:00 p.m. ET at the Executive Conference Center (ECC), 4075 Wilson Blvd, Suite 300, Arlington, VA. Registrations are due by September 9, 2024.

Links:

[Contract Opportunities](#)

Contact:

Anna Tauke-Pedretti, Email: DARPA-SN-24-95@darpa.mil

Science/Technology/Engineering/Math 8/13/2024

Funding Opportunity:

Fiscal Year 2024 Vehicle Technologies Office Batteries Funding Opportunity Announcement

FON:

DE-FOA-0003383

Agency:

Energy

Item:

Notice seeking proposals to support projects that advance research, development, demonstration, and deployment, in several areas critical to achieving net-zero greenhouse gas emissions by 2050, including: development of innovative battery chemistries and component materials, reduction of cascading battery fires, and battery electrode, cell, and pack manufacturing cost reduction.

Action:

Concept papers are due September 9, 2024. An estimated \$42.95 million is available to fund 16 to 20 awards.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Questions, Email: DE-FOA-0003383@netl.doe.gov

Funding Opportunity:

NRL Postdoctoral Fellowship Program (PFP)

FON:

N0017324STS01

Agency:

Defense

Item:

Notice seeking proposals from applicants for a cooperative agreement(s) to effectively execute the Naval Research Laboratory (NRL) PFP. Awardees will advertise and attract qualified fellowship applicants; prepare marketing materials; establish an ongoing application process to solicit the interest of qualified individuals; Establish a competitive review process; identify the process by which applicants will vetted, approved, and recommended to the NRL; identify and implement a management structure required for successful execution of the program.

Action:

Proposals are due October 9, 2024. Inquiries and questions are due by August 29, 2024. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

[Agency Site](#)

Contact:

Todd Schwartz, 202-923-1348. Email: todd.m.schwartz.civ@us.navy.mil

Funding Opportunity:

Postdoctoral Research Fellowships in Biology

FON:

24-593

Agency:

National Science Foundation

Item:

Notice seeking proposals from applicants for research and training in selected areas and with special goals for human resource development in biology. Those areas of research include: (1) Broadening Participation of Groups Underrepresented in Biology, (2) Integrative Research Investigating the Rules of Life Governing Interactions Between Genomes, Environment and Phenotypes, and (3) Plant Genome Postdoctoral Research Fellowships.

Action:

Proposals are due November 7, 2024. An estimated \$17 million is available to fund up to 60 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Joel K. Abraham (Areas 1 & 2), 703-292-4694.

Email: bio-dbi-prfb@nsf.gov

Pankaj Jaiswal (Area 3), 703-292-4594. Email: dbipgr@nsf.gov

Funding Opportunity:

Regional Resilience Innovation Incubator

FON:

24-595

Agency:

National Science Foundation

Item:

Notice seeking proposals for community-engaged projects to design high impact solutions to climate-related societal challenges. Each Regional Resilience Innovation Incubators (R2I2) project will address specific regional climate challenges and will

develop and demonstrate solutions to those challenges that can be effectively applied in real-world settings. R2I2 will be implemented in two phases, concept creation and implementation. This solicitation, focused on Phase-1, will fund a series of pilot projects focusing on project concept creation and refinement for solutions specific to a U.S. climate region. Targeted areas for establishing R2I2 incubators will be based on ten climate regions: Northeast, Southeast, U.S. Caribbean, Midwest, Northern Great Plains, Southern Great Plains, Northwest, Southwest, Alaska, and Hawaii & U.S. Affiliated Pacific Islands.

Action:

Required Letters of Intent are due December 16, 2024. Proposals are due January 16, 2025. An estimated \$10 million is available to fund up to 17 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Subhashree Mishra, 703-292-5008. Email: r2i2@nsf.gov

Funding Opportunity:

ROSES 2024: A.24 Weather and Atmospheric Dynamics

FON:

NNH24ZDA001N-WEATHER

Agency:

National Aeronautics and Space Administration

Item:

Notices seeking proposals for participation in the North American Upstream Feature-Resolving and Tropopause Uncertainty Reconnaissance Experiment (NURTURE), which is intended to further our knowledge of extreme high-impact weather events during the winter (e.g., cold air outbreaks, windstorms, extreme precipitation). The primary aim is to characterize processes that start at the mesoscales, such as the genesis and development of tropopause polar vortices (TPVs), and how they impact synoptic, large scale weather phenomena (e.g., jet streams and midlatitude cyclones),

which can impact regions often far from the origin of TPV disturbances responsible for these events.

Action:

Requested notices of intent are due **October 2, 2024**. Proposals are due **November 8, 2024**. Up to **10 awards** are available among two award types.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Will McCarty, Email: will.mccarty@nasa.gov

Funding Opportunity:

Science and Technology Centers: Integrative Partnerships

FON:

24-594

Agency:

National Science Foundation

Item:

Notice seeking proposals for exceptionally innovative, complex research and education projects that require large-scale, long term support. Projects should focus on creating new scientific paradigms, establishing entirely new scientific disciplines, and developing transformative technologies which have the potential for broad scientific or societal impact. STCs conduct world-class research through partnerships among institutions of higher education, national laboratories, industrial organizations, other public or private entities, and via international collaborations, as appropriate. They provide a means to undertake potentially groundbreaking investigations at the interfaces of disciplines and/or highly innovative approaches within disciplines. STCs may involve any area of science and engineering that NSF supports. STC investments support the NSF vision of creating and exploiting new concepts in science and engineering and providing global leadership in research and education.

Action:

Required preliminary proposals are due November 20, 2024. Proposals are due June 2, 2025. An estimated \$30 million is available to fund up to five awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Dragana Brzakovic, 703-292-5033. Email: stc2026@nsf.gov

Meeting:

Advisory Committee for Biological Sciences

FON:

Agency:

National Science Foundation

Item:

Notice seeking participants in open meeting. Agenda will include: Directorate business update; overview of NSF/BIO programs in support of the priority research areas of: Bioeconomy, Resilient Planet, and Artificial Intelligence; Advisory Committee (AC) Breakout Groups to discuss opportunities and challenges for BIO in advancing these priority areas, followed by a report out from the breakout groups; overview of NSF and BIO's support of workforce education and training in the priority research areas of: Bioeconomy, Resilient Planet, and Artificial Intelligence; AC Breakout Groups to discuss needs, opportunities, and gaps for workforce development in these priority areas, followed by a report out from the breakout groups; discussion with leaders from the NSF Office of the Director; and other directorate matters.

Action:

The meeting will be held September 17-18, 2024 from 10 a.m to 5 p.m. ET at the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA. The meeting will be hybrid.

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Karen C. Cone, 703-292-4967. Email: kcccone@nsf.gov

Meeting:

Advisory Committee for Cyberinfrastructure

FON:

Agency:

National Science Foundation

Item:

Notice seeking participation in a public meeting. Agenda will include updates from the Office of Advanced Cyber Infrastructure.

Action:

The meeting will be held September 12-13, 2024 from 10 a.m.-3:30 p.m. at NSF, 2415 Eisenhower Avenue, Alexandria, VA. Registration is required.

Links:

[Federal Register](#)
[Agency Site](#)

Contact:

Amy Walton, 703-292-4538. Email: awalton@nsf.gov

Meeting:

NASA OSBP Learning Series: Future Frontiers: NASA Acquisition Forecast & Demo

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a virtual meeting to provide small businesses with a strategic overview of NASA's upcoming acquisition opportunities across a wide range of topic areas. This session will delve into the NASA Acquisition Forecast, highlighting key projects and procurement plans that are on the horizon. Although geared toward small businesses, the meeting may highlight opportunities for colleges and universities to collaborate.

Action:

The meeting will be held August 21, 2024. Register to attend at this link <https://www.eventbrite.com/e/future-frontiers-nasa-acquisition-forecast-demo-tickets-948959773227?aff=oddtcreator>.

Links:

[Contract Opportunities](#)

Contact:

NASA Office of Small Business Programs, 202-358-2088.

Email: smallbusiness@nasa.gov

Science/Technology/Engineering/Math 8/9/2024

Funding Opportunity:

Fisher-Led Aquatic Trash Prevention and Abatement in Urban and Inland Disadvantaged Communities

FON:

EPA-R4-GM-2024-FISHER

Agency:

Environmental Protection Agency

Item:

Notice seeking eligible entities to partner with commercial, recreational, and subsistence fishers in each of the five Gulf states. EPA seeks applications that employ fishers' networks and unique expertise on the waterways where they fish. Applicants must work with fishers in disadvantaged communities around inland waters, inclusive of urban, peri-urban, and rural areas, to develop community-engaged initiatives to

remove, reduce, and prevent trash in waterways of common or public fishing spots and on surrounding land.

Action:

Proposals are due October 8, 2024. An estimated \$3.25 million is available to fund up to five awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Matt Beiser, Email: GMP-RFP@epa.gov

Funding Opportunity:

FY 2025 Phase I Release 1

FON:

DE-FOA-0003417

Agency:

Energy

Item:

Notice seeking proposals for increasing private sector commercialization of technology developed through DOE-supported research and development (R&D), stimulating technological innovation in the private sector, encouraging participation by women-owned and minority-owned small businesses, and improving the return on investment from Federally funded research for economic and social benefits to the nation.

Action:

Required Letters of Intent are due August 27, 2024. Proposals are due October 8, 2024. An estimated \$24 million is available to fund up to 110 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Carl Hebron, 301-903-5707. Email: SBIR-STTR@science.doe.gov

Funding Opportunity:

FY2025 Inflation Reduction Act (IRA) - NOAA Fisheries Citizen Science Funding Opportunity

FON:

NOAA-NMFS-FHQ-2025-26515

Agency:

Commerce

Item:

Notice seeking proposals to support citizen science projects that can help support federal fisheries stock assessments and climate-ready fisheries management. Funding will prioritize projects that: provide information that can supplement and/or inform stock assessments or increase understanding of current and/or future impacts of climate change on fish stocks and/or fishing communities.

Action:

Proposals are due November 4, 2024. An estimated \$600,000 is available to fund three to eight awards.

Links:

[Grants.gov](#)

Contact:

Laura Oremland, 301-427-8162. Email: Laura.Oremland@noaa.gov

Funding Opportunity:

Pervasive Research & Evaluation for Complex-solutions In Operational & Urgent Systems (PRECIOUS)

FON:

001-24S

Agency:

Defense

Item:

Notice seeking proposals to transition materials and process (M&P) technology solutions and innovative testing protocols with the goals of improving mission readiness, reducing cost (both production and life cycle sustainment), improving manufacturing, maximizing systems safety, reducing adverse environmental impact, and creating/preventing technological surprise. This program will span across research (foundational, applied, advanced), quick reaction activities, prototyping, demonstration, and transition of technology and process solutions to meet Department of Air Force (DAF) needs.

Action:

Required white papers are due September 6, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

David Hall, Email: david.hall.63@us.af.mil

Funding Opportunity:

Trash Free Waters - Micro Nanoplastics in the Gulf of Mexico

FON:

EPA-R4-GM-2024-TFW

Agency:

Environmental Protection Agency

Item:

Notice seeking proposals for innovative projects focused on preventing micro/nanoplastics from reaching waterways and removing microplastics from waterways as well as to make information on microplastics more accessible.

Action:

Proposals are due October 8, 2024. An estimated \$5 million is available to fund up to 12 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Matt Beiser, Email: GMP-RFP@epa.gov

Funding Opportunity:

Understanding Water Quality through Monitoring Activities

FON:

EPA-R4-GM-2024-WQM

Agency:

Environmental Protection Agency

Item:

Notice seeking proposals to support water quality studies that are useful to stakeholders in decision-making for their community. This funding opportunity is intended to generate applications for water quality monitoring projects in eligible Gulf Coast counties that improve understanding of water quality issues.

Action:

Proposals are due October 8, 2024. An estimated \$3.75 million is available to fund up to six awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Matt Beiser, Email: GMP-RFP@epa.gov

Meeting:

National Geospatial Advisory Committee

FON:

Agency:

Interior

Item:

Notice announcing a meeting of the National Geospatial Advisory Committee. The purpose of the meeting is to review and comment on geospatial policy and management issues and provides a forum to convey views representative of non-federal stakeholders in the geospatial community. The NGAC is one of the primary ways that the FGDC collaborates with its broad network of partners.

Action:

The meeting will be held on October 16, 2024, from 9 a.m. to 5 p.m.; and October 17, 2024, from 9 a.m. to 4 p.m. ET in the South Penthouse Conference Room of the Department of the Interior Building, 1849 C Street NW, Washington, DC.

Links:

[Grants.gov](#)

Contact:

Josh Delmonico, 703-648-5752. Email: jdelmonico@usgs.gov

Science/Technology/Engineering/Math 8/6/2024

Funding Opportunity:

2025 Sea Scallop Research Set Aside Program

FON:

NOAA-NMFS-GARFO-2025-27203

Agency:

Commerce

Item:

Notice seeking projects that enhance the knowledge of the scallop fishery resource or contribute to the body of information on which scallop management decisions are made. Priority will be given to proposals that investigate research priorities developed by the New England Fishery Management Council, which are detailed under the Program Priorities section of the announcement.

Action:

Proposals are due September 30, 2024. Successful applicants will be awarded scallop RSA quota. No federal funds are provided for research under this notification. Rather, proceeds generated from the sale of RSA quota will be used to fund approved activities and compensate scallop vessel owners.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Ryan Silva, 978-281-9326. Email: ryan.silva@noaa.gov

Funding Opportunity:

Bipartisan Infrastructure Law (BIL) Smart Manufacturing and Recycling Tactics for States (SMART)

FON:

DE-FOA-0003376

Agency:

Energy

Item:

Notice seeking proposals to support access to smart manufacturing technologies and high-performance computing resources for small- and medium-sized manufacturers by states and the recycling of batteries and battery-containing devices by states and units of local government.

Action:

Proposals are due September 16, 2024. An estimated \$63 million is available for multiple awards among two award types. Colleges and universities are eligible for subawards when collaborating with eligible lead applicants (states and units of local government).

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Questions, Email DE-FOA-0003376@netl.doe.gov

Funding Opportunity:

CHEERS MAA Open Period 1 and 2- All Technical Areas, Broad Agency Announcement (BAA)

FON:

FA238424S2334

Agency:

Defense

Item:

Notices seeking white paper proposals for the Continuing Human Enabling, Enhancing, Restoring, and Sustaining (CHEERS) program, which is intended to provide a comprehensive strategy for Air Force Research Laboratory, Human Effectiveness Directorate, and the United States Air Force School of Medicine's range of S&T, allowing for progression from basic research to technology maturation and transition.

Action:

White papers are accepted anytime through September 30, 2027. Multiple awards are anticipated.

Links:

[Contract Opportunities - CHEERS MAA Open Period 1](#)

[Contract Opportunities - CHEERS MAA Open Period 2](#)

[Contract Opportunities - CHEERS Main](#)

Contact:

Kelly Kaleda, Email: kelly.kaleda.4@us.af.mil

Funding Opportunity:

Department of Defense Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions (HBCU MSI)

FON:

W911NF24S0009

Agency:

Defense

Item:

Notice seeking proposals from eligible HBCUs and MSIs to enhance the research and educational capabilities in areas of importance to national defense; increase the number of graduates STEM disciplines; and encourage research and educational collaborations between such institutions and other institutions of higher education, federal government defense organizations, and the defense industry.

Action:

White papers are accepted continuously until July 31, 2029. Applicants are encouraged to email the contact to discuss proposed research before submitting a white paper proposal.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Evelyn Kent, Email: Evelyn.W.Kent.civ@mail.mil

Funding Opportunity:

FY 25-29 Strategic Trends Research Initiative Broad Agency Announcement

FON:

Agency:

Defense

Item:

Notice seeking proposals for strategic research on challenges related to weapons of mass destruction (WMD) 5–10 years in the future in support of the mission of the Defense Threat Reduction Agency (DTRA). Within DTRA, the Strategic Integration Directorate (SI), Strategic Trends Office (SI-ST) research explores a range of challenges related to nuclear, chemical, and biological weapons, including the development of materials, methodologies, or technologies with potential to create new or increase the impact of existing WMD threats. SI-ST primarily focuses on future implications for the U.S. and its allies and partners in areas of deterrence, crisis and conflict prevention, risk reduction, arms control, escalation management, strategic competition, and prevailing during conflict with chemical, biological, radiological, and nuclear possessing adversaries.

Action:

White papers are accepted on a rolling basis until August 1, 2029. An estimated \$35.88 million is available, past funding has ranged between \$50,000 to \$1.3 million per award.

Links:

[Contract Opportunities](#)

Contact:

Ohaji K. Yarborough, 571-616-5687. Email: ohaji.k.yarborough.ctr@mail.mil

Funding Opportunity:

Machine learning and Optimization-guided Compilers for Heterogeneous Architectures (MOCHA)

FON:

HR001124S0035

Agency:

Defense

Item:

Notice seeking proposals to build a new generation of compiler technology that can realize the full potential performance of a system comprising multiple heterogeneous computational elements. It will accomplish this goal by 1) using data driven methods, machine learning (ML), and advanced optimization techniques to rapidly adapt compilers to new hardware components with little human effort and 2) developing new internal representations and programming languages that enable compilers to determine how to make optimal use of available hardware, rather than depending on humans to do so.

Action:

Proposals are due September 26, 2024. Abstracts are encouraged and due August 22, 2024. Multiple awards are anticipated.

Links:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

Contact:

Email: MOCHA@darpa.mil

Funding Opportunity:

MUREP Earth System Science Research (MUREP ESSR)

FON:

NNH24ZHA003C-ESSR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to establish MUREP ESSR Institutes led by Minority Serving Institutions that can accelerate discovery and innovation in a broad array of Earth

Science research categories aligned with the Earth Science to Action focus areas, outlined in the NASA Earth Science to Action Strategy 2024-2034 plan.

Action:

Proposals are due October 30, 2024. Approximately 4-6 awards of up to \$1.2 million are available for projects lasting up to three years. Eligibility is limited to MSIs, while other institutions of higher education may collaborate.

Links:

[Grants.gov Solicitation](#)

Contact:

Email: nspires-help@nasaprs.com

Meeting:

National Science Foundation Broad Agency Announcement Webinar

FON:

Agency:

National Science Foundation

Item:

Notice announcing an online meeting to provide an opportunity for the innovation community as well as NSF staff to learn more about the Foundation's research areas and understand how BAAs are used to work with NSF.

Action:

The webinar will be held August 15, 2024, at 1:00 p.m. (ET). Register [here](#) to attend.

Links:

[Contract Opportunities](#)

Contact:

Soundjata Carty, Email: scarty@nsf.gov

Meeting:

Public Meeting of the Advisory Council for Climate Adaptation Science

FON:

Agency:

Interior

Item:

Notice seeking participation in public meeting. Agenda topics will cover (a) ACCAS subcommittee progress to date, (b) subcommittee recommendations for full ACCAS consideration and potential action, and (c) next steps and priorities for the subcommittees. Registration will be open no later than two weeks prior to the meeting.

Action:

The meeting will be held August 23, 2024. Registration required for attendance and to make public comments.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Holly Chandler, 406-207-9500. Email: casc@usgs.gov

Science/Technology/Engineering/Math 8/2/2024

Funding Opportunity:

Class of 2025 Vannevar Bush Faculty Fellowship (VBFF)

FON:

N0001424SF007

Agency:

Defense

Item:

Notice seeking proposals to support innovative basic research within academia, as well as opportunities intended to develop the next generation of scientists and engineers for the defense workforce.

Action:

Required white papers are due September 27, 2024. An estimated \$24 million to \$30 million is available to fund 8 to 10 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Jean-Luc Cambier, Email: jeanluc.cambier.civ@mail.mil

Funding Opportunity:

Ecology and Evolution of Infectious Diseases

FON:

24-592

Agency:

NSF, HHS

Item:

Notice seeking proposals for multi-disciplinary research focused on the ecological, evolutionary, organismal, and social drivers that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be the quantitative, mathematical, or computational understanding of pathogen transmission dynamics.

Action:

Proposals are due November 20, 2024. An estimated \$32 million is available to fund 10 or more awards, ranging from \$1.5 to \$3 million each.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Varies by agency.

Funding Opportunity:

FY 2024 – 2026 - Broad Agency Announcement (BAA)

FON:

NOAA-NWS-2024-28059

Agency:

Commerce

Item:

Notice seeking proposals for special projects and programs associated with National Weather Services's strategic plan and mission goals.

Action:

Proposals are accepted until September 30, 2026. Multiple awards are anticipated.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Jennifer Peisach, Email: Jennifer.Peisach@noaa.gov

Science/Technology/Engineering/Math 7/30/2024

Funding Opportunity:

NAWCA 2025 US Small Grants

FON:

F25AS00011

Agency:

Interior

Item:

Notice seeking proposals for public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act involving long-term protection, restoration, enhancement and/or establishment of wetland and associated upland habitats to benefit migratory birds.

Action:

Proposals are due October 10, 2024. Multiple awards with a ceiling of \$250,000 are anticipated.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Rodecia Davis, Email: Rodecia_Davis@fws.gov

Funding Opportunity:

Offshore Wind National and Regional Research and Development

FON:

DE-FOA-0003334

Agency:

Energy

Item:

Notice seeking proposals from applicants to research wind energy and specific impacts in order to advance offshore wind deployment. Additional goals and priority areas of research include, but are not limited to: aiding the transition to fixed-bottom platform concepts that simplify port and vessel constraint; advancing technologies to monitor bird and bat presence and behavior to understand risk to species from offshore wind deployment; advancing understanding of lightning occurrence, mitigation, and prevention

at offshore wind deployment sites; leveraging the strength of the existing industrial base in the Great Lakes Region to engage with the national and international offshore wind market; building a university education and research ecosystem to support the technical needs of the US offshore wind industry; and building the next generation of technical leadership. Cost sharing is required, and partnerships are encouraged.

Action:

Concept paper are due September 3, 2024. An estimated \$48.6 million is available to fund 12 to 21 awards.

Links:

[Grants.gov](#)
[Agency Site](#)

Contact:

Email: weto.osw@ee.doe.gov

Science/Technology/Engineering/Math 7/26/2024

Funding Opportunity:

Connected Communities 2.0: Innovations to Manage Growing Transportation, Building, and Industrial Loads to the Grid

FON:

DE-FOA-0003136

Agency:

Energy

Item:

Notice seeking proposals designed to address major new loads from transportation, industry, and buildings on the electric grid by providing new tools for users, planners, and operators of the electric grid.

Action:

Concept papers are due August 20, 2024. An estimated \$65 million is available to fund 8 to 20 awards.

Links:

[Grants.gov](#)

Contact:

Questions, Email: CCPilotsFOA@ee.doe.gov

Funding Opportunity:

DEVCOM Army Research Laboratory Broad Agency Announcement for Foundational Research

FON:

W911NF-23-S-0001

Agency:

Defense

Item:

Notice seeking proposals for current topics from the Army Research Office.

Action:

Proposals are accepted until November 20, 2027. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Contacts vary by topic.

Funding Opportunity:

FY2024 Manufacturing USA Institute – AI for Resilient Manufacturing

FON:

2024-NIST-AI-MFGUSA-01

Agency:

Commerce

Item:

Notice seeking proposals to establish and operate a Manufacturing USA® institute focused on the use of Artificial Intelligence (AI) to increase the resilience of U.S. manufacturers.

Action:

Concept papers are due September 30, 2024. An estimated \$70 million is available.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Cheryl Leonard, E-mail: ManufacturingUSA@nist.gov with "AI for Resilient Manufacturing" in the subject line

Funding Opportunity:

FY25 NOAA Marine Debris Interception Technologies under the Bipartisan Infrastructure Law

FON:

NOAA-NOS-ORR-2025-25572

Agency:

Commerce

Item:

Notice seeking proposals to support the installation, monitoring, and maintenance of proven marine debris interception technologies to benefit marine and coastal NOAA trust resources.

Action:

Required Letters of Intent are due October 9, 2024. An estimated \$7 million is available to fund multiple awards.

Links:

[Grants.gov](#)

Contact:

Sarah Lowe, 419-287-6766. Email: sarah.lowe@noaa.gov

Funding Opportunity:

FY25 NOAA Marine Debris Removal under the Bipartisan Infrastructure Law

FON:

NOAA-NOS-ORR-2025-25974

Agency:

Commerce

Item:

Notice seeking proposals to support impactful, large marine debris removal projects that will improve the resilience of the coastal and marine environment. This competition considers impactful projects to be those that will have long-lasting, transformational benefits to marine and coastal NOAA Trust Resources, coastal communities, and/or local economies.

Action:

Required Letters of Intent are due September 27, 2024. An estimated \$47 million is available to fund multiple awards.

Links:

[Grants.gov](#)

Contact:

Amanda Dwyer, 240-533-0402. Email: amanda.dwyer@noaa.gov

Funding Opportunity:

Notice of Funding Opportunity (NOFO), the University Nuclear Leadership Program, Scholarship and Fellowship Education Grant, Distinguished Faculty Advancement Grant, and Trade School and Community College Scholarships

FON:

31310024K0002

Agency:

Nuclear Regulatory Commission

Item:

Notice seeking proposals to provide funding for students and early career (untenured) faculty to support areas in nuclear-related fields, including nuclear science, engineering, mechanical engineering, civil engineering, environmental science, electrical engineering, fire protection, geotechnical sciences, nuclear technology, structural and material engineering, health physics, nuclear fusion (fusion energy research), nuclear safety, and other nuclear-related disciplines.

Action:

Proposals are due September 6, 2024. An estimated \$7 million is available to fund multiple awards.

Links:

[Grants.gov](https://www.grants.gov)

Contact:

Sara Shaffer, 301-415-2031. Email: Sarah.Shaffer@nrc.gov

Funding Opportunity:

ROSES 2024: C.20 Interdisciplinary Consortia for Astrobiology Research

FON:

NNH24ZDA001N-ICAR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to describe an interdisciplinary approach to a single compelling question in astrobiology, and address at least one aspect of the 2015 Astrobiology Strategy. Team size and resources requested should be appropriate to the scale of the proposed research.

Action:

Required Step-1 proposals are due September 24, 2024. Step-2 proposals are due January 16, 2025. An estimated \$10 million is available to fund 10 to 14 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

Lindsay Hays, 818-356-3685. Email: lindsay.hays@nasa.gov

Science/Technology/Engineering/Math 7/23/2024

Funding Opportunity:

PFE: Research Initiation in Engineering Formation

FON:

20-558

Agency:

National Science Foundation

Item:

Notice seeking proposals to support research in the professional formation of engineers and increase the community of researchers conducting professional formation of engineers research. PIs are expected to have little or no experience conducting social science or education research. Submissions from faculty with active disciplinary research programs, or faculty seeking a shift in their research focus, are especially encouraged to apply.

Action:

Proposals are due November 12, 2024. An estimated \$3 million is available to fund up to 15 awards.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Matthew A. Verleger, 703-292-2961. Email: mverlege@nsf.gov

Funding Opportunity:

Research and Development (RAD) Directed Energy (RD) University Assistance Instruments

FON:

RDK-RAD-FOA-2024

Agency:

Defense

Item:

Notice seeking proposals to establish assistance agreements with U.S. /U.S. territories' colleges and universities for directed energy-related basic, applied, and advanced research projects that provide a public purpose and are of interest to the Department of Defense mission. The scope of the research will include the entire spectrum of directed energy technology applicable to the Air Force, including all tangentially related directed energy.

Action:

Mandatory Letters of Intent are due until July 18, 2029. Multiple awards are anticipated.

Links:

[Grants.gov](#)

Contact:

Mariah Salazar, Email: mariah.salazar@us.af.mil

Funding Opportunity:

ROSES 2024: A.14 Integrated Water Field Campaign

FON:

NNH24ZDA001N-WFC

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to conduct a dedicated “passage of water” field campaign in the 2025-2027 timeframe, designed as a focused, interdisciplinary, hypothesis-driven or question-driven study to test novel physical underpinnings of freshwater exchange and impacts on ocean and Earth processes. The integrated land-ocean water campaign is envisioned to exploit synergistic use of novel ocean and hydrological information from SWOT, ocean salinity from remote sensing (SMAP, SMOS) and sub-orbital platforms (in situ, autonomous), and other relevant measurements of Earth’s water appropriate to accomplish the proposed objectives.

Action:

Mandatory notices of intent due Nov. 26, 2024. An estimated \$6 million is available. Award amounts vary.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

Nadya Vinogradova Shiffer, 202-358-0976. Email: nadya@nasa.gov

Funding Opportunity:

Smart Manufacturing Technologies for Material and Process Innovation

FON:

DE-FOA-0003329

Agency:

Energy

Item:

Notice seeking proposals to develop smart manufacturing across four topic areas: Smart Manufacturing for a Circular Economy Smart Manufacturing of Tooling and Equipment for Sustainable Transportation Smart Manufacturing for High Performance Materials Smart Technologies for Sustainable and Competitive U.S. Mining.

Action:

Required concept papers are due August 22, 2024. An estimated \$33.7 million is available to fund 16 to 36 awards. Cost sharing is required.

Links:

[Grants.gov](#)
[Solicitation](#)

Contact:

SM FOA, Email: SM.FOA.FY24@ee.doe.gov

Funding Opportunity:

USDA Forest Service - GLRI Forest Restoration 2024

FON:

USDA-FS-GLRI-FR24

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support projects in the Great Lakes basin that implement the following strategic, priority actions: Mitigate Invasive Forest Insect and Disease Impacts; Reduce Runoff through Green Infrastructure; and Restore and Connect Coastal and Riparian Forest Habitats.

Action:

Proposals are due September 18, 2024. An estimated \$5.2 million is available to fund up to 40 awards.

Links:

[Grants.gov](#)

Contact:

Questions, Email: SM.FS.glr@usda.gov

Meeting:

Farm, Ranch, and Rural Communities Advisory Committee (FRRCC) and Animal Agriculture and Water Quality Subcommittee (AAWQ)

FON:

Agency:

Environmental Protection Agency

Item:

Notice seeking participation in public meetings to provide independent policy advice, information, and recommendations to the Administrator on a range of environmental issues and policies that are of importance to agriculture and rural communities and/or provide recommendations that will inform the Agency's decisions regarding how to improve the implementation of the Clean Water Act (CWA) National Pollutant Discharge Elimination System.

Action:

The FRRCC meeting will be held on August 5-6, 2024. The AAWQ meeting will be held on August 8-9, 2024. Registration is required for both meetings.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Venus Welch-White, 202-564-0595. Email: FRRCC@epa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-19-2024

FUNDING OPPORTUNITY:

Artificial Intelligence Integration Center (AI2C) - Broad Agency Announcement (BAA)

FON:

W519TC-24-S-AI2C

AGENCY:

Defense

ITEM:

Notice seeking artificial intelligence research and development whitepapers and proposals in support of new technologies and translational research-based approaches that support the identification, alignment, and exploitation of basic, applied, and advanced research.

ACTION:

Proposals are accepted until May 31, 2029. Multiple awards are anticipated.

LINKS:

[Contract Opportunities](#)

CONTACT:

Email: ai2c_baa_submissions@army.mil

FUNDING OPPORTUNITY:

ROSES 2024: A.21 TEMPO-ACX Science and Applications Team

FON:

NNH24ZDA001N-TEMPOACX

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals for membership to the joint NASA Tropospheric Emissions: Monitoring of Pollution/Atmospheric Composition Instrument (TEMPO/ACX) Science and Applications Team. This team supports basic research and analysis activities associated with the production, validation, utilization, and application of TEMPO products.

ACTION:

Proposals are due October 18, 2024. An estimated \$2.7 million is available to fund up to 15 awards.

LINKS:

[Grants.gov Solicitation](#)

CONTACT:

Andrew Heidinger, 608-395-5979.
Email: Andrew.Heidinger@noaa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-16-2024

FUNDING OPPORTUNITY:

Central Valley Project Conservation and Habitat Restoration Program

FON:

R25AS00005

AGENCY:

Interior

ITEM:

Notice seeking proposals for projects protecting, restoring and enhancing special-status species in the Central Valley region. Priorities are to protect, conserve, and restore native habitats, stabilize native species, and assist with the recovery of state and federally-listed species.

ACTION:

Proposals due December 10, 2024. Award amounts vary Up to \$1 million is available.

LINKS:

[Grants.gov](#)

CONTACT:

Pete Arp, Email: parp@usbr.gov

FUNDING OPPORTUNITY:

Computer and Information Science and Engineering (CISE): Core Programs

FON:

24-589

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals supports research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure.

ACTION:

Proposals are due October 23, 2024 for OAC Core and MEDIUM projects. Proposals are due September 30, 2025 for Small projects. An estimated \$280 million is available to fund 400 to 600 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Contacts vary.

FUNDING OPPORTUNITY:

Engineering Research Initiation

FON:

24-590

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals to build engineering research capacity, by specifically supporting new academic investigators who haven't received significant federal funding. Program will

support researchers as they advance in their teaching, research, and initiating programs, but is limited to researchers at non "RI institutions" as established by the Carnegie Classification.

ACTION:

Proposals are due October 9, 2024. An estimated \$11 million is available to fund up to 55 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Rosa Lukaszew, 703-292-8103. Email: eri@nsf.gov

FUNDING OPPORTUNITY:

ROSES 2024: D.20 Exoplanet Mass Measurement Program

FON:

NNH24ZDA001N-EMMP

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals, which are a continuation and expansion of Extreme Precision Radial Velocity Foundation Science program elements. Projects should be a 2-year investigation that will identify and mitigate systematics that currently limit the precision of radial velocity or astrometry observations that measure the masses of temperate terrestrial planets. Projects should advance tools, techniques, and understanding, and may involve theory, observation, archive analysis, or a combination of these approaches.

ACTION:

Mandatory notices of intent due January 23, 2025. An estimated \$2.5 million is available to fund five to eight awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Hannah Jang-Condell, Email: hannah.jang-condell@nasa.gov

FUNDING OPPORTUNITY:

Technologies to Emend and Obviate Synthetic Nitrogen's Toll on Emissions (TEOSYNTE)

FON:

DE-FOA-0003405

AGENCY:

Energy

ITEM:

Notice seeking proposals to lower nitrous oxide (N₂O) emissions from the cultivation of corn and sorghum used for United States ethanol production by 50%. The program will emphasize plant and microbial bio-design strategies that lower the application of synthetic nitrogen (N) fertilizer on corn and sorghum fields while maintaining crop yields and reducing 50% of N₂O emissions.

ACTION:

Required concept papers are due August 13, 2024. An estimated \$36 million is available to fund seven to nine awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Questions, Email: ARPA-E-CO@hq.doe.gov

MEETING:

Board on Coastal Engineering Research

FON:

AGENCY:

Defense, Defense

ITEM:

Notice publicizing open meeting of the advisory board. Agenda included celebration of previous work, and will look forward to upcoming challenges. The overall mission of the board is to provide broad policy guidance, and review and develop research.

ACTION:

Registration required to attend. Deadlines vary depending on participation.

LINKS:

[Federal Register](#)

CONTACT:

Jennifer Ratliff. Email: Jennifer.r.ratliff@usace.army.mil

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-12-2024

FUNDING OPPORTUNITY:

Fiscal Year (FY) 2025 Department of the Navy (DoN) Historically Black Colleges and Universities Minority Institutions (HBCU-MI) Program

FON:

N0001424SF006

AGENCY:

Defense

ITEM:

Notice seeking proposals to increase the quantity and quality of minority professionals in science, technology, engineering, and mathematics (STEM) in the defense community.

ACTION:

Required white papers are due September 20, 2024. The maximum amount for each award is \$525,000.

LINKS:

[Grants.gov Solicitation](#)

CONTACT:

Anthony C. Smith, Email: don_hbcufoa@navy.mil

FUNDING OPPORTUNITY:

ROSES 2024: A.36 The Science of PACE

FON:

NNH24ZDA001N-PACE

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals that focus on innovative uses of PACE data to answer integrated disciplinary or inter-disciplinary Earth system science research and applied questions. These investigations must focus on pursuing research within and/or across the Earth System (atmospheric, cryospheric, terrestrial, and aquatic environments), quantifying change, characterizing processes, and improving the understanding of the functioning of the Earth System's components and the interactions among them.

ACTION:

Proposals are due January 22, 2025. Notices of intent are requested by October 1, 2024. An estimated \$5 million per year is available to fund 15 to 20 awards.

LINKS:

[Grants.gov Solicitation](#)

CONTACT:

Hal Maring, 202-358-1679. Email: hal.maring@nasa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-9-2024

FUNDING OPPORTUNITY:

NSF EPSCoR Graduate Fellowship Program

FON:

24-588

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals from applicants who received the distinction of Graduate Research Fellowship Program (GRFP) Honorable Mention no more than three years before the proposal due date to be named NSF EPSCoR Graduate Fellows and obtain financial support for their graduate education at an institution in an EPSCoR jurisdiction.

ACTION:

Proposals are due October 2, 2024. An estimated \$17 million is available to fund up to 35 awards.

LINKS:

[Grants.gov](https://www.grants.gov)
[Solicitation](#)

CONTACT:

EGFP Program Contact, 703-292-2440. Email: egfp@nsf.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-5-2024

FUNDING OPPORTUNITY:

C.27 Lucy in the L4 Trojans Participating Scientist Program

FON:

NNH24ZDA001N-LUCYL4PSP

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals to enhance the scientific return of the Lucy mission through new investigations that broaden and/or complement Lucy's primary investigations, conducted during and immediately following the spacecraft's encounters with objects in the L4 swarm of the Jupiter Trojan asteroids.

ACTION:

Mandatory Notices of Intent are due August 19, 2024. An estimated \$300,000 is available to fund up to 10 awards in FY 2025.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Thomas S. Statler, 202-358-0272. Email: thomas.s.statler@nasa.gov

FUNDING OPPORTUNITY:

FY 2024 Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) Community Anchor Award

FON:

NNH24ZHA003C-TEAMIIANCHR

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals to enable informal education institutions (IEIs) to strengthen their service as a local NASA STEM informal education community resource, implement NASA STEM experiences that benefit a significant population of diverse audiences in their local community or region, and participate in the NASA Informal Education (IE) Learning Cohort.

ACTION:

Proposals are due August 27, 2024. An estimated \$750,000 is available to fund 10 to 15 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Email: NASAIONS2024@nasaprs.com

FUNDING OPPORTUNITY:

FY 2024 Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) STEM Innovator Award

FON:

NNH24ZHA003CTEAMIIINOV

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals to enable informal education institutions to expand their reach as a regional NASA STEM informal education resource, enhance innovative practices in STEM informal education, implement NASA STEM experiences that benefit a significant population of diverse audiences in their local community or region, and participate in the NASA Informal Education (IE) Learning Cohort.

ACTION:

Proposals are due September 26, 2024. An estimated \$3.25 million is available to fund 10 to 13 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Beverly Girten, Email: teamii@nasaprs.com

FUNDING OPPORTUNITY:

Research on the Science and Technology Enterprise: Indicators, Statistics, and Methods (NCSES ST)

FON:

24-587

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals to enhance its efforts to support analytic and methodological research in support of its surveys as well as promote the education and training of researchers in the use of large-scale nationally representative datasets.

ACTION:

Proposals are due January 21, 2025 and June 17, 2025. An estimated \$1.5 million is available to fund 5 to 10 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Sharon A. Boivin, 703-292-4263. Email: sboivin@nsf.gov

MEETING:

Astrophysics Advisory Committee

FON:**AGENCY:**

National Aeronautics and Space Administration

ITEM:

Notice announcing a meeting of the Astrophysics Advisory Committee. The purpose is to solicit from the scientific community and other persons, scientific and technical

information relevant to program planning.

ACTION:

The meeting will be held July 23, 2024, 9 a.m. to 5 p.m., ET, and July 24, 2024, 9 a.m. to 5 p.m., ET. The meeting will be virtual.

LINKS:

[Federal Register](#)

CONTACT:

KarShelia Kinard, 202-358-2355. Email: karshelia.kinard@nasa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 7-2-2024

FUNDING OPPORTUNITY:

Bipartisan Infrastructure Law (BIL) - Clean Fuels and Products Shot: Supporting Carbon Utilization Products via Electrochemical Conversion and Refinery and Petrochemical Facilities Retrofitting

FON:

DE-FOA-0003018

AGENCY:

Energy

ITEM:

Notice seeking proposals to support the national goal of achieving net-zero emissions by 2050 by developing the sustainable feedstocks and conversion technologies necessary to produce crucial fuels, materials, and carbon-based products that are better for the environment than current petroleum-derived components.

ACTION:

Proposals are due August 27, 2024. An estimated \$16 million is available to fund up to six awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Ursula J. Drake, 412-386-9293. Email: Ursula.Drake@netl.doe.gov

FUNDING OPPORTUNITY:

National Priorities: Occurrence and Implications of De Facto Water Reuse on Drinking Water Supplies

FON:

EPA-G2024-ORD-E1

AGENCY:

Environmental Protection Agency

ITEM:

Notice seeking proposals to address the knowledge gaps associated with the extent and variability of water quality impacted by wastewater effluent, the potential associations between levels of de facto reuse and human health risk, and the interventions needed to mitigate the impacts of de facto reuse.

ACTION:

Proposals are due August 21, 2014. An estimated \$9.5 million is available to fund up to four awards. Cost share of at least 25 percent is required.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Sydney Cunniff, 202-564-0868. Email: cunniff.sydney@epa.gov

FUNDING OPPORTUNITY:

NSF National Quantum Virtual Laboratory - Quantum Testbeds

FON:

24-586

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals to develop and utilize use-inspired and application-oriented quantum technologies. In the process, National Quantum Virtual Laboratory (NQVL) researchers will explore quantum frontiers, foster the development of Quantum Information Science and Engineering (QISE) education and workforce development strategies, engage in outreach activities at all levels, and promote input and participation from the full spectrum of diverse talent in QISE, thereby lowering barriers at all entry points of the research enterprise.

ACTION:

Proposals are due April 1, 2025. An estimated \$32 million is available to fund 14 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

National Quantum Virtual Laboratory, 703-292-8235.

Email: NQVL@nsf.gov

FUNDING OPPORTUNITY:

Privacy-Preserving Data Sharing in Practice

FON:

24-585

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals to develop or advance practically deployable and scalable technologies that allow data sharing in a privacy-preserving manner.

ACTION:

Proposals are due September 27, 2024. An estimated \$23 million is available to fund 26 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Email: TIP-PDaSP-Ask@nsf.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-28-2024

FUNDING OPPORTUNITY:

Advanced Technological Education

FON:

24-584

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals for the education of technicians for the high-technology fields that drive our nation's economy. Though geared towards 2-year institutions, all may apply or partner.

ACTION:

Proposals are due October 3, 2024. An estimated \$74 million is available to fund 80 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Celeste Carter, 703-292-4651. Email: vccarter@nsf.gov

FUNDING OPPORTUNITY:

Army Applications Lab Broad Agency Announcement For Disruptive Applications

FON:

W911NF-24-S-0008

AGENCY:

Defense

ITEM:

Notice seeking proposals to capitalize on the extended marketplace of ideas in government, academia, industry, and civilian innovation ecosystems and lead the research and development of disruptive innovations.

ACTION:

Required white papers are due any time until April 4, 2029. Multiple awards are anticipated.

LINKS:

[Grants.gov](https://www.grants.gov)

CONTACT:

Email: aal-baa@army.mil

FUNDING OPPORTUNITY:

ROSES 2024: B.11 Heliophysics Flight Opportunities for Research and Technology

FON:

NNH24ZDA001N-HFORT

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking research proposals supporting investigations into the Sun, to advance understanding of the Sun's activities, as well as connections between Earth, planetary space, and the variability of solar activities.

ACTION:

Proposals are due Sept. 20, 2024. Award amounts will vary based on scope of project, from \$5,000 to multi-year projects with awards for millions of dollars.

LINKS:

[Grants.gov](#)
[Agency Site](#)

CONTACT:

Amy Winebarger, 256-961-7509. Email: amy.r.winebarger@nasa.gov

FUNDING OPPORTUNITY:

Water Power Innovation Network

FON:

DE-FOA-0003323

AGENCY:

Energy

ITEM:

Notice seeking proposals o support business creation, entrepreneurship, and regional innovation for water power systems and solutions.

ACTION:

Concept papers are due August 7, 2024. An estimated \$4.8 million is available to fund up to eight awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Email: WPTOFOA@ee.doe.gov

MEETING:

National Artificial Intelligence Advisory Committee

FON:**AGENCY:**

Commerce

ITEM:

Notice announcing a meeting of the National Artificial Intelligence Advisory Committee. The purpose of the meeting is to have invited guests brief the full Committee on topics of interest related to the Committee's year three efforts. The briefings are from outside subject matter experts to the full Committee from areas such as industry, nonprofit organizations, the scientific community, the defense and law enforcement communities, and other appropriate organizations.

ACTION:

The meeting will be held on July 9, 2024, July 10, 2024, and July 11, 2024, from 2:00 p.m.-3:30 p.m. ET via webinar.

LINKS:

[Federal Register](#)
[Agency Site](#)

CONTACT:

Cheryl L. Gendron, 301-975-2785. Email: cheryl.gendron@nist.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-25-2024

FUNDING OPPORTUNITY:

Adaptive Fusion, and Reasoning of Multi-Source Data (AFAR)

FON:

A875023S7008

AGENCY:

Defense

ITEM:

Notice seeking proposals for innovative approaches for the fusion, analysis and reasoning of multi-source data to advance their analytical operations in support of their Command, Control, Communications, Computers and Intelligence (C4I) and Cyber Science mission. This announcement is comprised of three research areas: (A) Adaptive Knowledge and Information for Target Analysis (AKITA), (B) Enhancing Moving Target Engagement at Scale (EMoTES) and (C) Publicly Available Information (PAI) Ensemble Fusion (PEF), where each has research areas that taken together comprise the focus of AFAR research and development.

ACTION:

Required white papers are due July 15, 2024. An estimated \$8.3 million is available to fund multiple awards.

LINKS:

[Contract Opportunities](#)

CONTACT:

John Spina, 315-330-4032. Email: john.spina@us.af.mil

FUNDING OPPORTUNITY:

Graduate Research Innovation (GRIN) Award

FON:

FA-NOFO0025-001

AGENCY:

Interior

ITEM:

Notice seeking proposals to enhance student exposure to the management and policy relevance of their research to achieve beneficial outcomes of funded work. The Joint Fire Science Program (JFSP) invites current master and doctoral students enrolled at colleges or universities within the US in the field of wildland fire and related physical, biological, and social sciences to apply for a Graduate Research Innovation (GRIN) award.

ACTION:

Proposals are due September 19, 2024. An estimated \$300,000 to \$500,000 is available to fund up to 10 to 25 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Patricia Glass, 801-539-4194, Email: pglass@blm.gov

FUNDING OPPORTUNITY:

Methane Emissions Reduction Program Oil and Gas Methane Monitoring and Mitigation

FON:

DE-FOA-0003256

AGENCY:

Energy

ITEM:

Notice seeking applicants to address and quantify methane emissions, across various parts of the fuel supply chain. Proposed projects and solution strategies should focus on the mitigating methane emissions, accelerating commercialization, scale-up, and application of innovative reduction technologies, and advance the reduction of methane emission through data collection and analysis.

ACTION:

Proposals are due August 26, 2024. An estimated \$850 million is available to fund up to 38 awards.

LINKS:

[Grants.gov](https://www.grants.gov)

CONTACT:

John R. Hatfield, Email: john.hatfield@netl.doe.gov

FUNDING OPPORTUNITY:

TTO Office Wide (OW) BAA

FON:

HR001124S0023

AGENCY:

Defense

ITEM:

Notice seeking proposals that enhance the nation's ability to rapidly build, adapt and sustain force structures with the following focus areas: Platform Innovation, Missionized Autonomy, Managing Complexity, Freedom's Forge 2.0, and Disruptive Emergent Technology.

ACTION:

Proposals will be accepted until June 20, 2025. Executive Summaries are encouraged and due by April 19, 2025. Multiple awards are anticipated.

LINKS:

[Grants.gov](#)
[Contract Opportunities](#)
[Agency Site](#)

CONTACT:

BAA Coordinator, Email: HR001124S0023@darpa.mil

NOTICE:

FY24 Naval Air Warfare Center Aircraft Division Office-wide Broad Agency Announcement

FON:

N00421-24-S-0001

AGENCY:

Defense

ITEM:

Notice seeking white papers for research and development projects which potentially advance and improve Naval Air Warfare Center Aircraft Division (NAWCAD) operations. Areas of interest include: aeromechanics; artificial intelligence and machine learning; avionics, sensors, and electronic warfare; cyber systems and security; data science and visualization; digital engineering; human systems; hypersonic systems; materials and aircraft structures; mechanical systems; power and propulsion systems; quantum; secure communications and networks; support equipment; test and evaluation engineering; and warfare analysis.

ACTION:

Responses are due by June 20, 2025.

LINKS:

[Grants.gov](#)
[Contract Opportunities](#)

CONTACT:

Email: NAWCAD-Academia-BAA@us.navy.mil

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-21-2024

FUNDING OPPORTUNITY:

Army Rapid Capabilities And Critical Technologies Office (RCCTO) Broad Agency Announcement (BAA)

FON:

W50RAJ24S0001

AGENCY:

Defense

ITEM:

Notice seeking proposals to improve the speed of technology and capability delivery to enable the Army's implementation of the National Defense Strategy and Army Vision. It will rapidly and efficiently research, develop, prototype, test, evaluate, procure, transition, and/or field critical enabling technologies and capabilities that address near-term and mid-term threats.

ACTION:

Required white papers are due any time until June 18, 2029. Multiple awards are anticipated.

LINKS:

[Contract Opportunities](#)

CONTACT:

Hillary Roy, 256-336-6328. Email: hillary.s.roy.civ@army.mil

FUNDING OPPORTUNITY:

FY24 Bipartisan Infrastructure Law Coastal Zone Management Habitat Protection and Restoration Competition

FON:

NOAA-NOS-OCM-2024-27096

AGENCY:

Commerce

ITEM:

Notice seeking proposals to reduce the impacts of climate change. A key pillar is resilience to climate change and its impacts, throughout our communities and ecosystems. Specifically, this NOFO seeks projects that enhance coastal resilience. Coastal areas support the nation's largest and often fastest-growing population centers as well as key natural assets.

ACTION:

Required Letters of Intent are due August 15, 2024. An estimated \$44.6 million is available to fund up to 25 awards.

LINKS:

[Grants.gov](https://www.grants.gov)

CONTACT:

Email: ocm.czm.infrastructure@noaa.gov

FUNDING OPPORTUNITY:

FY24 Bipartisan Infrastructure Law National Estuarine Research Reserve System Habitat Protection and Restoration Competition

FON:

NOAA-NOS-OCM-2024-27098

AGENCY:

Commerce

ITEM:

Notice seeking proposals to reduce the impacts of climate change. A key pillar is resilience to climate change and its impacts, throughout our communities and ecosystems.

ACTION:

Required Letters of Intent are due August 15, 2024. An estimated \$13.5 million is available to fund up to 25 awards.

LINKS:

[Grants.gov](#)

CONTACT:

Office for Coastal Management,
Email: ocm.nerrs.infrastructure@noaa.gov

MEETING:

21st Century Energy Workforce Advisory Board

FON:

AGENCY:

Energy

ITEM:

Notice announcing a meeting of the 21st Century Energy Workforce Advisory Board. The purpose is developing a strategy for the Department of Energy (DOE) to support and develop a skilled energy workforce to meet the changing needs of the U.S. energy system.

ACTION:

The meeting will be held Tuesday, July 9, 2024; 12 to 12:30 p.m. EDT. The meeting will be held virtually.

LINKS:

[Grants.gov](#)
[Agency Site](#)

CONTACT:

Maya Goodwin, 240-597-8804. Email: EWAB@hq.doe.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-18-2024

FUNDING OPPORTUNITY:

Broad-Spectrum Antagonists For Editors (B-SAFE)

FON:

HR001124S0032

AGENCY:

Defense

ITEM:

Notice seeking proposals to identify and optimize novel molecules that exhibit inhibitory effects on Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)-CRISPR associated proteins (CRISPR-Cas) gene editing processes.

ACTION:

Proposals are due August 12, 2024. Multiple awards are anticipated.

LINKS:

[Grants.gov](https://www.grants.gov)

[Contract Opportunities](#)

CONTACT:

BAA Coordinator, Email: BSAFE@darpa.mil

MEETING:

Aeronautics Committee

FON:

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice announcing a meeting of the Aeronautics Committee of the NASA Advisory Council. The purpose of the meeting is to solicit from the aeronautics community research and technical information relevant to program planning.

ACTION:

The meeting will be held Wednesday, June 26, 2024, 9 a.m. to 3:30 p.m., central time. The meeting will be held virtually.

LINKS:

[Federal Register](#)
[Agency Site](#)

CONTACT:

Irma Rodriguez, 202-358-0984. Email: irma.c.rodriguez@nasa.gov

MEETING:

NASA Planetary Science Advisory Committee

FON:**AGENCY:**

National Aeronautics and Space Administration

ITEM:

Notice announcing a meeting of the Planetary Science Advisory Committee. The purpose of the meeting is to solicit from the scientific community scientific and technical information relevant to program planning.

ACTION:

The meeting will be held July 9-11, 2024 from 10 a.m. to 6 p.m. ET. The meeting will be virtual.

LINKS:

[Federal Register](#)

CONTACT:

KarShelia Kinard, 202-358-2355. Email: karshelia.kinard@nasa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-14-2024

FUNDING OPPORTUNITY:

Automated Prediction Aided by Quantized Simulators (APAQuS)

FON:

DARPA-PA-23-03-13

AGENCY:

Defense

ITEM:

Notice seeking proposals to combine parallel developments in the realization of widely tunable tabletop turbulence simulators and data-informed modeling techniques to demonstrate disruptive routes to ML-based predictive modeling and the automated discovery of universal principles that govern turbulent phenomenology. This is a Disruption Opportunity Announcement.

ACTION:

Proposals are due July 25, 2024. The maximum awards value is \$2 million.

LINKS:

[Contract Opportunities](#)

CONTACT:

Mukund Vengalattore, Email: APAQuS@darpa.mil

FUNDING OPPORTUNITY:

C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research, Cryogenics and Quantum Broad Agency Announcement (BAA)

FON:

N66001-24-S-4702

AGENCY:

Defense

ITEM:

Notice seeking proposals to investigate unique and innovative approaches for defining and developing next generation integratable C4ISR capabilities and command suites.

ACTION:

White papers and proposals are due any time until June 10, 2025. Multiple awards are anticipated.

LINKS:

[Grants.gov](#)
[Contract Opportunities](#)

CONTACT:

David Roden, Email: david.m.rod2.civ@us.navy.mil

FUNDING OPPORTUNITY:

Defense Applications of Innovative Remote Sensing (DAIRS)

FON:

DARPA-PA-23-03-11

AGENCY:

Defense

ITEM:

Notice seeking proposals to explore the following hypothesis: processing relevant data sets with the non-traditional methods described above will enable systems that: a) provide completely passive radar and remote sensing capabilities using indigenous noise that inherently exists in the environment; b) select signals that propagate via the preferred, stable surface wave path while simultaneously rejecting signals received via disturbed ionospheric paths, thereby mitigating spread clutter; and c) enable the generation of watercraft features and provide approaches for classification.

ACTION:

Proposals are due July 10, 2024. The maximum award value is \$2 million.

LINKS:

[Contract Opportunities](#)

CONTACT:

Frank Robey, Email: DAIRS@darpa.mil

FUNDING OPPORTUNITY:

Early Career Faculty (ECF)

FON:

NNH24ZTR001N-24ECF-B1

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals to tap into that talent base, challenging early-career faculty to examine the theoretical feasibility of new ideas and approaches that are critical to making science, space travel, and space exploration more effective, affordable, and sustainable.

ACTION:

Mandatory preliminary proposals are due July 15, 2024. The maximum amount for awards is \$750,000. 10 awards are anticipated.

LINKS:

[Grants.gov](#)

[Solicitation](#)

[Contract Opportunities](#)

CONTACT:

Matthew Deans, Email: hq-ecf-call@mail.nasa.gov

FUNDING OPPORTUNITY:

Geothermal Resources' Value In Implementing Decarbonization (GRID)

FON:

DE-FOA-0003346

AGENCY:

Energy

ITEM:

Notice seeking proposals to address the potential contribution of geothermal power in supporting an equitable transition to a future decarbonized grid.

ACTION:

Required Letters of Intent are due July 24, 2024. An estimated \$7 million is available to fund up to 14 awards. Cost sharing of at least 20 percent is required.

LINKS:

[Grants.gov Solicitation](#)

CONTACT:

Email: Value.of.Geothermal@ee.doe.gov

MEETING:

Office of Naval Research Code 35 Air Warfare & Weapons Focus Area Forum Research for the Naval Domain

FON:

N0001424SBC09

AGENCY:

Defense

ITEM:

Notice seeking proposals to support the Navy's air warfare and weapons needs, fostering the technology development of naval aviation platforms, kinetic weapons, directed energy and electric weapons.

ACTION:

The forum will be held July 11, 2024 from 9:00 a.m. to 4:00 p.m. EDT at the Hyatt Regency Crystal City, 2799 Richmond Highway, Arlington, VA. Advanced registrations are due by July 8, 2024 at <https://forms.osi.apps.mil/r/7V9GSjLr1G>. Proposals are due January 31, 2025. White papers are recommended and due June 21, 2024.

LINKS:

[Grants.gov](#)
[Contract Opportunities](#)

CONTACT:

James Farnsworth, Email: james.e.farnsworth8.civ@us.navy.mil

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-11-2024

FUNDING OPPORTUNITY:

Fiscal Year 2024 Solar Energy Supply Chain Incubator FOA

FON:

DE-FOA-0003289

AGENCY:

Energy

ITEM:

Notice seeking proposals to provide early-stage assistance to help start-up companies cross technological barriers to commercialization, while encouraging private sector investment.

ACTION:

Required Concept papers are due July 19, 2024. An estimated \$38 million is available to fund 11 to 23 awards. Colleges and universities are eligible to partner.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Email: solar.incubator@ee.doe.gov

FUNDING OPPORTUNITY:

ROSES 2024: Mentorship and Opportunities in STEM with Academic Institutions for Community Success (MOSAICS) Seed Funding

FON:

NNH24ZDA001N-MSF

AGENCY:

National Aeronautics and Space Administration

ITEM:

Notice seeking proposals to support engagement and partnering between faculty and students at under-resourced institutions (URIs) to carry out NASA-relevant research.

ACTION:

Proposals are due at any time until March 28, 2025. An estimated \$1.2 million is available to fund 8 to 12 awards.

LINKS:

[Grants.gov](#)
[Solicitation](#)

CONTACT:

Patricia T. (Padi) Boyd, Email: hq-smd-bridge@mail.nasa.gov

SCIENCE/TECHNOLOGY/ENGINEERING/MATH 6-4-2024**FUNDING OPPORTUNITY:**

Enhancing Quantum Sensor Technologies with Rydberg Atoms (EQSTRA)

FON:

HR001124S0031

AGENCY:

Defense

ITEM:

Notice seeking proposals that significantly advance the performance, capabilities and the Technology Readiness Level (TRL) of atomic vapor sensors for electric field sensing, imaging, communications, and quantum information science (QIS).

ACTION:

Proposals are due July 30, 2024. Multiple awards are anticipated.

LINKS:

[Grants.gov](https://www.grants.gov)
[Contract Opportunities](#)

CONTACT:

BAA Coordinator, Email: EQSTRA@darpa.mil

FUNDING OPPORTUNITY:

Fiscal Year 2024 Nuclear Forensics Research Award (NFRA)

FON:

DHS-24-CWMD-130-NFRA-001

AGENCY:

Homeland Security

ITEM:

Notice seeking proposals to support the establishment of a team of faculty, students, and technical staff at the national or defense laboratories to conduct research in the field of nuclear forensics.

ACTION:

Proposals are due August 14, 2024. An estimated \$1.8 million is available to fund up to six awards.

LINKS:

[Grants.gov](https://www.grants.gov)

CONTACT:

Sandra Gogol, 202-527-3452. Email: Sandra.Gogol@hq.dhs.gov

FUNDING OPPORTUNITY:

NSF Small Business Innovation Research - Small Business Technology Transfer Phase I Programs

FON:

24-579

AGENCY:

National Science Foundation

ITEM:

Notice seeking proposals to provide non-dilutive funds for use-inspired research and development (R&D) of unproven, leading-edge, technology innovations that address societal challenges.

ACTION:

Proposals are due September 4, 2024 and November 6, 2024. An estimated \$72 million is available to fund up to 235 SBIR Phase 1 awards. An estimated \$15 million is available to fund 45 to 50 awards.

LINKS:

[Grants.gov](#)

[Agency Site](#)

CONTACT:

NSF SBIR/STTR, 703-292-5111. Email: sbir@nsf.gov