

Science/Technology/Engineering/Math 4/15/2025

Funding Opportunity:

AFRL RX Functional Materials Open BAA

FON:

FA8650-22-S-5002

Agency:

AF

Item:

Notice seeking white papers that enable new warfighting capabilities, significantly improve the effectiveness of warfighters and their current and future systems and solve urgent operational needs.

Action:

White papers are due any time until October 28, 2026. An estimated \$75 million is available per contract. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Marc Martin, 937-785-9645. Email: marc.martin@us.af.mil

Funding Opportunity:

Air Dominance Broad Agency Announcement (BAA)

FON:

FA8651-25-S-0001

Agency:

AF

Item:

Notice seeking white papers to support research as defined to be the scientific study and experimentation directed at increasing knowledge and understanding in relation to long term national security needs. Technical research areas range from Modeling, Simulation, & Analysis (MS&A) to Artificial Intelligence / Autonomy.

Action:

White papers are accepted on a rolling basis until 2029. The anticipated cumulative amount for awards issued under this BAA will not exceed \$750 million.

Links:

[Contract Opportunities](#)

Contact:

Amy Fortenberry, 850-882-3657. Email: amy.fortenberry.1@us.af.mil

Funding Opportunity:

C2 Cross Functional Team (CFT) Broad Agency Announcement

FON:

BAA-25-R-C2CFT

Agency:

Army

Item:

Notice seeking white papers aiming research to assist the Army with modernizing network with technology currently available. To be eligible for consideration and possible award, the technology or methodology shall be either basic research, applied research, or advanced technology development.

Action:

White papers are accepted on a rolling basis until the termination of this Broad Agency Announcement.

Links:

[Contract Opportunities](#)

Contact:

N/A

Funding Opportunity:

FY24 25 Naval Aviation North Stars Enterprise-Wide Broad Agency Announcement (BAA)

FON:

N00019-24-S-0001

Agency:

Navy

Item:

Notice seeking white papers detailing innovative research, rapid prototyping, demonstration, and experimentation projects that enhance integrated warfighting capabilities. Key focus areas range from Cyber Resilient Secure Communications to Multi-Domain Awareness (MDA).

Action:

White papers are due any time until September 3, 2025. Multiple awards are anticipated.

Links:

[**Contract Opportunities**](#)

[**Agency Site**](#)

Contact:

Email: navalaviationnorthstarsbaa@us.navy.mil

Funding Opportunity:

Incorporating Human Behavior in Epidemiological Models (IHBEM)

FON:

NSF 25-538

Agency:

National Science Foundation

Item:

Notice seeking proposals outlining research that incorporates social and behavioral processes in mathematical epidemiological models. The Incorporating Human Behavior in Epidemiological Models (IHBEM) program provides support for projects that involve integrated participation from the mathematical and social, behavioral, and economic sciences.

Action:

Proposals are due July 14, 2025. An anticipated \$4 million to \$6 million is available to fund 10 to 15 awards.

Links:

[Solicitation](#)

Contact:

Zhilan J. Feng, 703-292-7523. Email: zfeng@nsf.gov

Funding Opportunity:

Mojave Desert Tortoise Recovery Partnership 2025

FON:

Agency:

Foundation

Item:

Notice seeking proposals for the NFWF's Mojave Desert Tortoise Recovery Partnership with goals to restore, protect, and enhance populations of Mojave desert tortoise and their habitat in California's western Mojave Desert.

Action:

Proposals are due May 14, 2025. Awards may vary.

Links:

[Solicitation](#)
[National Fish and Wildlife Foundation](#)

Contact:

Kirstin Neff, 303-222-6485. Email: Kirstin.Neff@nfwf.org

Funding Opportunity:

NeedpeDIA Commercial Solutions Opening (CSO), Call # CSO-0025-001, Artificial Intelligence and Machine Learning (AI ML) Task Force SABRE

FON:

HHM402-23-SC-0002-0001

Agency:

Defense

Item:

Notice seeking white papers outlining revolutionary or innovative Artificial Intelligence (AI) Machine Learning (MI) prototype project, focusing on the next generation of capabilities and platforms to outpace strategic competitors and advance enterprise integration. Projects will develop and demonstrate new AI/ML capabilities currently not resident in legacy systems, but may significantly improve existing capabilities, and/or will apply techniques developed for commercial or non-intelligence applications to current intelligence gaps in an ingenious manner.

Action:

White papers are due April 30, 2025. Award funding and number of awards will depend on the availability of program funds and on the number and applicability of submissions received.

Links:

[Contract Opportunities](#)

Contact:

Il Jun Yun, Email: iljun.yun@dodiis.mil

Funding Opportunity:

NGA - Boosting Innovative GEOINT - Science & Technology Broad Agency Announcement (BIG-ST BAA)

FON:

HM047623BAA0001

Agency:

Defense

Item:

Notice seeking proposals to promote NGA Research in its goal to deliver future Geospatial-Intelligence (GEOINT) capabilities to users for operational impact. NGA Research promotes research initiatives across a broad spectrum of science and engineering disciplines, and transforms these initiatives into disruptive GEOINT capabilities in support of U.S. national security.

Action:

Abstracts and Proposals will be announced via Topic Calls throughout the open period of this BAA which ends on December 14, 2026.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: BIGRBAA@nga.mil

Funding Opportunity:

Pivot Fellowships

FON:

Agency:

Foundation

Item:

Notice seeking applications for the Pivot Fellowship program that will support researchers with a strong track record of success and achievement in their current field, and a deep interest, curiosity and drive to make contributions to a new discipline within the natural sciences.

Action:

Applications are due May 15, 2025. A Pivot Fellowship provides one year of salary support of the fellow's academic-year salary and a \$10,000 research, travel and professional development during the fellowship training year. Mentors will receive a \$50,000 research fund during the fellowship year. Fellows and mentors must hold a PhD, MD, or equivalent degree in the natural sciences and be faculty at an academic institution or hold an equivalent position.

Links:

[Solicitation](#)
[Simons Foundation](#)

Contact:

Email: pivotfellowship@simonsfoundation.org

Meeting:

Air Force Research Lab, Autonomy Industry Day, Dayton OH

FON:

Agency:

AF

Item:

Notice announcing an Industry Day event with industry partners invested in technologies related to autonomy software. The objective is to align the government-industry community by (a) gathering situational awareness on industry's readiness to help AFRL develop, prototype, and transition autonomy technologies in the current or next epochs and (b) informing and guiding IR&D and other investments to align with DAF and DoD needs.

Action:

The event will be held during of week of May 6-8, 2025 hosted by the Air Force Research Laboratory in Dayton, Ohio.

Links:

[Contract Opportunities](#)
[Registration](#)

Contact:

Email: afrl.rq.autonomyindustryday@us.af.mil

Science/Technology/Engineering/Math 4/11/2025

Funding Opportunity:

Broad Agency Announcement to Support the Naval Air Warfare Center Aircraft Division

FON:

N68335-25-R-0403

Agency:

Defense

Item:

Notice seeking proposals that evelops advanced air platforms, sensors (e.g., acoustics, EO/IR, radar, magnetics, and other special sensors), and systems to meet current and future Naval capability demands. The purpose of these platforms, sensors and systems is to support a variety of aviation missions including distributed maritime surveillance, Air Undersea Warfare (USW), airborne strike, air warfare, counter-air, close air support and interdiction, defense suppression, advanced communications, digital interoperability, electronic attack, naval warfare and amphibious strike, Counter Unmanned Systems (C-UxS), anti-surface warfare, and contested logistic support.

Action:

Phase 1 proposals may be submitted at any time up until April 9, 2026. Multiple awards are anticipated. MSI are eligible to partner.

Links:

[Contract Opportunities](#)

Contact:

Robert Megill, Email: robert.a.megill2.civ@us.navy.mil and Truman Harris,
Email: truman.b.harris3.civ@us.navy.mil

Funding Opportunity:

FreeSol Broad Agency Announcement

FON:

FA8819-24-R-B003

Agency:

Defense

Item:

Notice seeking proposals to develop, deliver, and sustain unrivaled space control capabilities to guarantee space superiority for our nation.

Action:

Concept papers are recommended and due any time until February 23, 2029. An estimated \$99 million is available over five years.

Links:

[Contract Opportunities](#)

Contact:

Melanie Gipson, Email: melanie.gipson@spaceforce.mil

Funding Opportunity:

Methodological Advancements for Generalizable Insights into Complex Systems
(MAGICS)

FON:

DARPA-EA-25-02-05

Agency:

DARPA

Item:

Notice seeking abstracts for innovative exploratory research concepts in the technical domain of computational science research in complex, dynamic, evolving systems. This call is for paradigm-shifting approaches for modeling complex, dynamic systems for predicting human behavior. Areas of interest include: data inference boundaries and limitations; alignment validation limitations; adaptation limitations and model obsolescence; psychosocial domain limitations; and complex phenomena.

Action:

Abstracts are due July 10, 2025. Award amounts range from \$100,00 - \$300,000 including indirect costs. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: MAGICS@darpa.mil

Meeting:

National Oceanic and Atmospheric Administration Science Advisory Board

FON:

Agency:

NOAA

Item:

Notice announcing a meeting of the Science Advisory Board (SAB). The meeting will include, but is not limited to, the following topics: (1) the SAB Consent Calendar, (2) Working Group Updates, (3) updates from NOAA leadership and (4) discussion of

current and/or future matters regarding the Board's work plan.

Action:

The meeting is scheduled on April 29, 2025 from 10:00 a.m. to 5:00 p.m. Eastern Daylight Time (EDT).

Links:

[Federal Register](#)

Contact:

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

Science/Technology/Engineering/Math 4/8/2025

Funding Opportunity:

FLUID

FON:

DARPA-PS-25-14

Agency:

DARPA

Item:

Notice seeking proposals to address challenges in the following technical areas: technologies to allow Command, Control, Computing, Communications, Cyber, Intelligence, Surveillance, Reconnaissance and Targeting (C5ISRT) systems (applications and network services) to function without sacrificing application or network utility, while operating under disrupted and degraded conditions.

Action:

Required abstracts are due April 21, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: FLUID@darpa.mil

Meeting:

USSOCOM & SOFWERX - PEO-M: Next Generation Maritime Optical Systems Collaboration Event (CE)

FON:

Agency:

Defense

Item:

Notice announcing an in-person Collaboration Event (CE) with Industry, Academic, and Laboratory partners focused on "Next Generation Maritime Optical Systems" concept needs. This event is designed to provide insights to ensure potential offerors understand the problem set(s) fully and to increase the likelihood of matching their technologies with Warfighter needs.

Action:

Requests to attend this event must be submitted by April 23, 2025. The CE will be held in person at SOFWERX on June 10, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Alana Hymel, Email: alana.hymel@sofwerx.org

Science/Technology/Engineering/Math 4/4/2025

Funding Opportunity:

Multi-Spectrum Defensive Electronic Warfare (MSDEW) Advanced Research Announcement (ARA)

FON:

FA8650-20-S-1119

Agency:

Defense, AF

Item:

Notice seeking white papers and proposals to respond to specific calls under the broad topics of: 1) sensor exploitation from multiple warfighting domains with focus on air, ground, and surface targets; 2) exploitation and fusion of multiple sensor modalities, including active and passive modes, from single and multiple platforms; 3) order management system technologies and third-party software and/or mode exploration.

Action:

Calls for white papers will be released individually for research to address specific topic areas under this announcement until March 14, 2030.

Links:

[Contract Opportunities](#)

Contact:

Kameron Grubaugh, 937-713-8275. Email: Kameron.Grubaugh@us.af.mil

Funding Opportunity:

NAWCA 2026-1 US Standard Grants

FON:

F26AS00004

Agency:

FWS

Item:

Notice seeking applications to promote partnerships between public agencies and groups interested in long term protection, restoration, and/or enhancement of wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds; maintaining and improving the current distributions of wetlands-associated migratory bird populations; and maintaining an abundance of waterfowl

and other populations of wetlands-associated migratory birds consistent with the objectives of the North American Waterfowl Management Plan.

Action:

Applications are due July 10, 2025. An estimated \$45 million is available to fund up to 30 awards. Cost sharing is required.

Links:

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

Contact:

Questions, 703-358-2017. Email: dbhc@fws.gov

Meeting:

Advisory Committee for Technology, Innovation and Partnerships

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting of the Advisory Committee for Technology, Innovation, and Partnerships. The purpose of the meeting is to provide advice to the National Science Foundation concerning implementation of the provisions of the CHIPS and Science Act of 2022, Public Law 117-167, 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 April 28, 2025; 11 a.m.-3 p.m. (eastern) at NSF, 2415 Eisenhower Avenue, Alexandria, VA 22314 (Hybrid).

Links:

[Federal Register](https://www.federalregister.gov)

Contact:

Chaitanya Baru, 703-292-8050.

Meeting:

Aerospace Safety Advisory Panel; Meeting

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing a meeting of the Aerospace Safety Advisory Panel. This discussion is pursuant to carrying out its statutory duties for which the Panel reviews, identifies, evaluates, and advises on those program activities, systems, procedures, and management activities that can contribute to program risk. Priority is given to those programs that involve the safety of human flight.

Action:

The meeting will be held Thursday, April 17, 2025, 3 p.m. to 4:30 p.m., central time.

Links:

[Federal Register](#)

Contact:

Lisa M. Hackley, 202-358-1947. Email: lisa.m.hackley@nasa.gov

Science/Technology/Engineering/Math 4/1/2025

Funding Opportunity:

Joint Hydrographic Center 2025

FON:

NOAA-NOS-OCS-2025-30451

Agency:

NOAA

Item:

Notice seeking proposals for forging a cooperative agreement between NOAA and an institution of higher education to operate a Joint Hydrographic Center as authorized in the Ocean and Coastal Mapping Integration Act and the Hydrographic Services Improvement Act.

Action:

Proposals are due May 27, 2025. This will be a 5-year, multiyear award. An estimated \$9.5 million is available per year.

Links:

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

Contact:

Andrew Armstrong, Email: Andy.armstrong@noaa.gov

Meeting:

Program Announcement for MTO Pitch Day Solicitation

FON:

DARPA-PA-25-05

Agency:

DARPA

Item:

Notice announcing a meeting of the Microsystems Technology Office (MTO)'s Pitch Day for engagement with prospective proposers and to catalyze future efforts in the topics of unconventional computing, biologically inspired microsystems, and commercially catalyzed defense development to enable next generation microsystems.

Action:

DARPA's invitation-only MTO Pitch Day will be held in-person on July 25, 2025, at the Gaylord Rockies Resort & Convention Center in Aurora, Colorado. Questions must be submitted by April 16, 2025 and abstracts are due April 23, 2025. Invitations to present will be sent out on or around May 7, 2025. Multiple awards are anticipated.

Links:

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

Contact:

Email: MTO-PitchDay@darpa.mil

Science/Technology/Engineering/Math 3/28/2025

Funding Opportunity:

Adaptive Fusion, and Reasoning of Multi-Source Data (AFAR)

FON:

FA875023S7008

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:

White papers are due July 15, 2025. An estimated \$7.9 million is available to fund multiple awrds.

Links:

[Contract Opportunities](#)

Contact:

John Spina, 315-330-4032. Email: john.spina@us.af.mil

Meeting:

Exponentiating Mathematics (expMath) Proposers Day

FON:

DARPA-SN-25-44

Agency:

DARPA

Item:

Notice announcing hybrid Proposers Day in support of the anticipated Exponentiating Mathematics (expMath) Broad Agency Announcement (BAA). The goal of expMath is to radically accelerate the rate of progress in pure mathematics by developing an AI co-author capable of proposing and proving useful abstractions. expMath will be comprised of teams focused on developing AI capable of auto decomposition and auto(in)formalization and teams focused on evaluation with respect to professional-level mathematics.

Action:

The expMath hybrid Proposers Day will be held on April 23, 2025, from 10:00 a.m. to 4:00 p.m. (ET) physically at the DARPA Conference Center, located at 675 N Randolph St., Arlington, Virginia, 22203 and virtually via Zoom for Government.

Links:

[Contract Opportunities](#)

Contact:

Patrick Shafto, Email: expMath@darpa.mil

Science/Technology/Engineering/Math 3/25/2025

Funding Opportunity:

IWTSD Broad Agency Announcement FY 2026

FON:

25S5000

Agency:

Navy

Item:

Notice seeking Phase 1 proposal submissions related to the following mission areas: Advanced Analytics, Advanced Development, Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE), Expeditionary Force Protection, Explosive Ordnance Disposal and Explosive Operations, Human Performance and Training, Influence and Information Capabilities, Innovation, Protection, Survivability, and Recovery (PSR), Surveillance, Collection, and Operations Support (SCOS), Tactical Offensive Support.

Action:

Phase 1 submissions are due April 21, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: BIDSHelp@iwtsd.gov

Funding Opportunity:

Pioneering Aerospace Capabilities, Engineering and Research

FON:

FA2391-23-S-2403

Agency:

AF

Item:

Notice seeking white papers to develop and apply innovative technologies and approaches to speed the acquisition time of a flight control (FC) electromechanical actuation system (EMA) to 12 months or less and at lower cost that sufficiently meets the performance and reliability requirements for an accepted risk.

Action:

White papers are extended to March 28, 2025.

Links:

Contract Opportunities

Contact:

Megan Rosenbeck, Email: Megan.Rosenbeck@us.af.mil

Logan Hartley, Email: Logan.Hartley@us.afmil

Funding Opportunity:

USGS Earthquake Hazards Program External Research Support Announcement for Fiscal Year 2026

FON:

G26AS00244

Agency:

Interior

Item:

Notice seeking proposals to support research in earthquake hazards, the physics of earthquakes, earthquake occurrence, and earthquake safety policy.

Action:

Proposals are due May 28, 2025. An estimated \$5 million is available for up to 60 awards with the majority of awards most likely range between \$30,000 and \$120,000.

Links:

Grants.gov

Agency Site

Contact:

Jill Franks, 571-294-1718. Email: jfranks@usgs.gov

Science/Technology/Engineering/Math 3/21/2025

Funding Opportunity:

Applied Mathematics

FON:

PD-16-1266

Agency:

National Science Foundation

Item:

Notice seeking proposals that aim to support mathematics research motivated by and contributing to the solution of problems arising in science and engineering.

Action:

Proposal window is from November 1, 2025 to November 17, 2025.

Links:

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

[Agency Site](#)

Contact:

Dmitry Golovaty, 703-292-2117. Email: dgolovat@nsf.gov

Funding Opportunity:

Fire Science Innovations through Research and Education

FON:

PD-25-345Y

Agency:

National Science Foundation

Item:

Notice seeking project proposals focused on convergent research and education activities in wildland fire. All areas of science, engineering, and education supported by the U.S. National Science Foundation are included in this program.

Action:

Proposal window is June 12, 2025 to June 20, 2025.

Links:

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

Contact:

Harsha Chelliah, 703-292-7281. Email: wildlandfire@nsf.gov

Funding Opportunity:

MIT Solve: Global Economic Prosperity Challenge

FON:

Agency:

Foundation

Item:

Notice seeking applications for solutions to leverage technology to increase prosperity for all. The focus for 2025 will be on solutions that enable universal access to financial services, including tools for banking, insurance, credit, instant payments, and asset ownership; increase digital participation and security, including reliable connectivity and protected online spaces that safeguard civic participation, privacy, and digital identity; and expand workforce development, including skill-based training, employment matching, and career mobility or worker safety and benefits, with an emphasis on underinvested populations.

Action:

Applications are due April 17, 2025. Initial grants of \$10,000, with access to a pool of \$1.5 million in prize funding and additional funding opportunities throughout the program.

Links:

[Agency Site](#)
[Massachusetts Institute of Technology Solve](#)

Contact:

Email: help@solve.mit.edu

Science/Technology/Engineering/Math 3/18/2025

Funding Opportunity:

Bilateral Academic Research Initiative (BARI) Program

FON:

HQ003425NFOEASD05

Agency:

Defense

Item:

Notice seeking proposals that addresses high risk basic research as an international collaboration. This research should attempt to provide the scientific foundation towards the design and development of future and ubiquitous information networks that rely on extreme-scale devices, distributed intelligence, and network complexity, and include cognitive and social concepts to inform the technological choices.

Action:

Required white papers are due May 30, 2025 to jeanluc.cambier.civ@mail.mil and ektmfla97@keit.re.kr. An estimated \$6 million is available to fund three to five faculty researchers. One grant is available to lead institution of the US research team.

Links:

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

Contact:

Jean-Luc Cambier, Email: jeanluc.cambier.civ@mail.mil

Funding Opportunity:

TraCSS Space Situational Awareness (SSA) Research and Technology Development

FON:

BAA-NOAA-SSA-STC-2025

Agency:

NOAA

Item:

Notice seeking white papers that could lead to proposals and funded research to enhance and advance technologies in Space Situational Awareness (SSA) and Space Traffic Coordination (STC).

Action:

White papers are due May 30, 2025. Estimated \$9.9 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Noelle Albert, Email: noelle.albert@noaa.gov

Meeting:

Microsystems Technology Office (MTO) Spark Tank Special Notice

FON:

DARPA-SN-25-40

Agency:

DARPA

Item:

Notice announcing the MTO Spark Tank event for prospective proposers. The goals of the event are to (1) familiarize participants with MTO's mission, interest areas, and on-going efforts; (2) facilitate discussions with potential proposers; (3) increase the efficiency in proposal preparation and evaluation; and (4) to broaden DARPA's reach with small businesses, educational institutions, and other non-traditional performers to break down barriers of entry for performers new to DARPA and the national security space.

Action:

The event will be held in-person on July 24–25, 2025 at the Gaylord Rockies Resort and Convention Center in Aurora, Colorado. Registration will open on April 10, 2025 and potential attendees must register by June 30, 2025.

Links:

[Contract Opportunities](#)

Contact:

Mike Geertsen, Email: MTO-SparkTank@darpa.mil

Meeting:

NASA Ames Partnership Days

FON:

Agency:

National Aeronautics and Space Administration

Item:

Notice announcing NASA's Partnership Days which will focus on showcasing Ames's core competencies, research facilities and engagement in exciting discussions about collaboration opportunities for partnerships with NASA Ames.

Action:

This in-person event will take place from April 29, 2025 to May 1, 2025 at the NASA Ames Conference Center in Moffett Field, CA. Registration is required.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: arc-dl-newsroom@mail.nasa.gov

Science/Technology/Engineering/Math 3/14/2025

Funding Opportunity:

Artificial Intelligence (AI) for financial reporting and audit processes

FON:

SP4701-25-S-C004

Agency:

Defense

Item:

Notice seeking solutions briefs for leveraging artificial intelligence (AI) to enhance the efficiency and accuracy of its financial reporting and audit processes. The purpose of this call to industry is to attract and identify best-of-breed solutions to address the problem set and meet operational capabilities.

Action:

Solutions Briefs are due April 10, 2025.

Links:

[Contract Opportunities](#)

Contact:

**Thomas Walsh, Email: Thomas.Walsh@dla.mil and Lauren Runowski
Email: lauren.runowski@dla.mil**

Funding Opportunity:

Securing Artificial Intelligence for Battlefield Effective Robustness (SABER)

FON:

HR001125S0009

Agency:

DARPA

Item:

Notice seeking proposals to develop an operational AI red teaming construct and framework for OT&E of AI-enabled battlefield systems. This team will assess the operational impacts of vulnerabilities unique to the use of AI, with a focus on the evaluation of near-term AI-enabled autonomous ground and air (rotary wing) capabilities.

Action:

Abstracts are strongly encouraged and due March 31, 2025. Proposals are due May 6, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: SABER@darpa.mil

Science/Technology/Engineering/Math 3/11/2025

Funding Opportunity:

2025 ERDC Broad Agency Announcement

FON:

W912HZ-25-BAA-01

Agency:

Army

Item:

Notice seeking proposals to conduct research in a broad range of fields: hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/ chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials

and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes.

Action:

Pre-applications are accepted on a rolling basis until December 31, 2025. Multiple awards of varying amounts are available.

Links:

[Contract Opportunities Solicitation](#)

Contact:

Updated contacts vary.

Funding Opportunity:

Chemistries and monoLayers for Anti-aging Kinematics (CLOAK)

FON:

DARPA-PA-24-04-08

Agency:

DARPA

Item:

Notice seeking proposals that provide innovative basic or applied research concepts in the technical domain of novel micromechanical oscillators for applications toward precision positioning and navigation systems.

Action:

Proposals are due April 14, 2025. The total award value for the combined Phase 1 base (Proof-of-concept) and Phase 2 option (Prototype) is limited to \$1,200,000. The Phase 1 (base) award value is limited to \$500,000. The Phase 2 (option) award value is limited to \$700,000.

Links:

[Contract Opportunities](#)

Contact:

Sunil Bhave, Email: CLOAK@darpa.mil

Funding Opportunity:

Fundamental Aerodynamics for Large Wind Turbine Performance and Reliability

FON:

RFX-2025-10021

Agency:

Energy

Item:

Notice seeking proposals with three goals: collect and disseminate benchmark airfoil aerodynamic data to validate and improve the tools/models that assure the performance of next-generation wind turbine blades, provide data to validate modeling and simulation tools to predict the behavior of nonoperational wind turbine rotors, e.g., when they are stopped for installation, maintenance, or idling (during the passage of extreme weather), inform the wind industry with physical insights that advance modeling capabilities to minimize the risks and costs of next-generation wind turbines.

Action:

Proposals are due April 4, 2025. There are two topic areas. Topic Area 1 has a maximum budget of \$4.75 million and Topic Area 2 has a maximum budget of \$1.5 million.

Links:

[Contract Opportunities](#)

Contact:

Kyndall Jackson, Email: Kyndall.Jackson@nrel.gov

Meeting:

Air Force Research Lab, Autonomy Industry Day, Dayton OH

FON:

Agency:

AF

Item:

Notice announcing an Industry Day event with industry partners invested in technologies related to autonomy software. The objective is to align the government-industry community by (a) gathering situational awareness on industry's readiness to help AFRL develop, prototype, and transition autonomy technologies in the current or next epochs and (b) informing and guiding IR&D and other investments to align with DAF and DoD needs.

Action:

The event will be held during of week of May 5-9, 2025 hosted by the Air Force Research Laboratory in Dayton, Ohio. Registration instructions will be released in the coming weeks.

Links:

[Contract Opportunities](#)

Contact:

Email: afrl.rq.autonomyindustryday@us.af.mil

Science/Technology/Engineering/Math 3/7/2025

Funding Opportunity:

Broad Agency Announcement: Research and Development for Air Force Airbase Systems

FON:

FA8051-24-S-0001

Agency:

Defense

Item:

Notice seeking white papers for research proposals including advanced technology development and advanced component development and prototypes. The specific research area is in per-and polyfluoroalkyl substances (PFAS) destruction.

Action:

White papers are due April 21, 2025.

Links:

[Contract Opportunities](#)

Contact:

Toby Carnes, Email: toby.carnes.1@us.af.mil

Funding Opportunity:

Fiscal Year (FY) 2026 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)

FON:

N0001425SF002; W911NF25S0004; NOFOAFRLAFOSR2025002

Agency:

Defense

Item:

Notice seeking white papers to propose high-risk basic research and attempts to understand or achieve something that has never been done before. A complete list of prioritized topical areas for research can be found in section one of the announcement.

Action:

White papers are due May 2, 2025, though not required, they are strongly encouraged. Proposals are due September 5, 2025. Multiple awards are anticipated.

Links:

[Grants.gov \(ONR\)](#)

[Grants.gov \(Army\)](#)

[Grants.gov \(AFOSR\)](#)

Contact:

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

Funding Opportunity:

Science and Technology Broad Agency Announcement

FON:

N66604-25-R-0329

Agency:

Navy

Item:

Notice seeking proposals for new and innovative R&D solutions related to the undersea technology subject areas. The BAA is comprised of twenty-seven (27) Undersea Technology Subject Areas.

Action:

Optional white papers and Proposals will be accepted until March 3, 2030.

Links:

[Contract Opportunities](#)

Contact:

Email: NUWC_NWPT_02_BAA_Proposal_Submittal@us.navy.mil

Funding Opportunity:

Simons Dissertation Fellowships in Mathematics

FON:

Agency:

Foundation

Item:

Notice seeking applications for the new Simons Dissertation Fellowship in Mathematics to provide research support to excellent graduate students in the final years of their Ph.D. studies.

Action:

Applications are due March 31, 2025. Awards are up to \$38,400. Up to 40 dissertation fellowships are anticipated for 2025.

Links:

[Simons Foundation Solicitation](#)

Contact:

Email: mps@simonsfoundation.org

Funding Opportunity:

The Right Space

FON:

Agency:

DARPA

Item:

Notice seeking proposals for innovative basic or applied research concepts in the technical domain of mathematical methods to systematically discover useful mathematical transformations: transformations of a system's variables and parameters to representations that make solving complex modeling problems easier, faster, and potentially more interpretable.

Action:

Proposals due May 2, 2025. Maximum award amount for phase one and two combined is \$1.25 million.

Links:

[Contract Opportunities](#)

Contact:

Yannis Kevrekidis, Email: TRS@darpa.mil

Science/Technology/Engineering/Math 3/4/2025

Funding Opportunity:

Broad Agency Announcement for Advanced Battle Management Systems (ABMS)

FON:

BAA-AFLCMC_CAIO-2020-001

Agency:

AF

Item:

Notice seeking concept papers to solicit ideas, technologies and solutions to support Operationally Focused ABMS (Advanced Battle Management System). Solicitation invites innovative technical approach proposals addressing solutions for modern networking capabilities, communications capabilities, artificial intelligence, data sensing and analysis from a number of sources, intelligent information processing to support operational decisions, as well as any capability to support resilient and efficient force employment.

Action:

Concept papers are due March 31, 2025.

Links:

[**Contract Opportunities**](#)

Contact:

Nicomedez Correa IV, Email: nicomedez.correa.1@us.af.mil

Funding Opportunity:

NRL Long Range Broad Agency Announcement (BAA) for Basic and Applied Research

FON:

N00173-24-S-BA01

Agency:

Navy

Item:

Notice seeking white papers for long-range Science and Technology (S&T) projects which may offer advancement and improvement potential for Navy and Marine Corps operations.

Action:

White papers are extended to May 31, 2025. Funding amount and period varies depending on the research area and approach.

Links:

[Contract Opportunities Solicitation](#)

Contact:

Email: nrlproposals@nrl.navy.mil

Funding Opportunity:

Pioneering Aerospace Capabilities, Engineering and Research

FON:

FA2391-23-S-2403

Agency:

AF

Item:

Notice seeking white papers to develop and apply innovative technologies and approaches to speed the acquisition time of a flight control (FC) electromechanical actuation system (EMA) to 12 months or less and at lower cost that sufficiently meets the performance and reliability requirements for an accepted risk.

Action:

White papers are extended to March 19, 2025.

Links:

[Contract Opportunities](#)

Contact:

Logan Hartley, Email: Logan.Hartley@us.af.mil

Megan Rosenbeck, Email: Megan.Rosenbeck@us.af.mil

Notice:

Agency Information Collection Activities; Submission to the Office of Management and Budget; Administrative Procedures for U.S. Fish and Wildlife Service Financial Assistance Programs

FON:

Agency:

FWS

Item:

Notice announcing a request for comments regarding new, proposed, revised, and continuing collections of information which will help assess the impact of information collection requirements and minimize the public's reporting burden.

Action:

Comments must be submitted by March 31, 2025.

Links:

[Federal Register](#)

Contact:

Madonna L. Baucum, 703-358-2503. Email: Info_Coll@fws.gov

Notice:

Submission for OMB Review; Comment Request

FON:

Agency:

NIFA

Item:

Notice announcing a request for information from potential recipients to effectively assess the potential recipient's capacity to manage Federal funds before awards can be allocated.

Action:

Comments must be submitted by March 31, 2025.

Links:

[Federal Register](#)

Contact:

n/a

Science/Technology/Engineering/Math 2/28/2025

Funding Opportunity:

BioElectronics to Sense and Treat (BEST)

FON:

DARPA-PS-25-12

Agency:

DARPA

Item:

Notice seeking proposals to develop an automated bioelectronic smart bandage that can predict, prevent, and treat wound infections and be deployed at all levels of military medical care including on the battlefield. This bandage will continually monitor a wound for indicators of failure to heal due to infection and employ closed-loop control to intervene when infection is predicted or to resolve an existing infection.

Action:

Optional abstracts are due March 25, 2025. Proposals due May 6, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Leonard Tender, Email: BEST@darpa.mil

Meeting:

The Right Space (TRS) Information Session

FON:

DARPA-SN-25-53

Agency:

DARPA

Item:

Notice announcing an information session to provide information on the objectives of the anticipated Disruption Opportunity (DO) program called The Right Space (TRS). The Right Space (TRS) Disruption Opportunity (DO) will create new mathematical/computational approaches for the systematic discovery of transformations of a system's variables and parameters to representations that make solving complex modeling problems easier, faster, and potentially more interpretable.

Action:

The Information Session will be held via webcast on March 12, 2025, from 10:00 a.m. to 10:45 a.m. Advance registration is required to attend the webcast.

Links:

[Contract Opportunities](#)

Contact:

Yannis Kevrekidis, Email: TRS@darpa.mil

Science/Technology/Engineering/Math 2/25/2025

Funding Opportunity:

Aluminum Extruders Council invites applications for 2025 Student Aluminum Extrusion Design Competition

FON:

Agency:

Foundation

Item:

Notice seeking entries for the 2025 Student Aluminum Extrusion Design Competition created to promote the understanding and use of extruded aluminum profiles and raise awareness of the applications, advantages and versatility of aluminum extrusion among future design and engineering professionals now investigating and learning about their career path.

Action:

Entries are due March 24, 2025. A total amount of \$15,500 is available for the competition winners.

Links:

[Agency Site](#)

Contact:

Email: mail@ETFoundation.org

Funding Opportunity:

Research Opportunities in Space and Earth Sciences 2025

FON:

NNH25ZDA001N

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for NASA's 100 program elements that support a wide range of research relevant to NASA's Science Mission Directorate including. Search Grants.gov for CFDA 43.001 for multiple solicitations.

Action:

Proposal due dates vary based on program. An estimated \$750 million is available to fund approximately 1200 awards. The number and amount of awards vary by solicitation.

Links:

[Grants.gov Solicitation](#)

Contact:

Email: sara@nasa.gov

Meeting:

FY 26 Irregular Warfare Technical Support Directorate Industry Day

FON:

Agency:

Navy

Item:

Notice announcing an Industry Day that allows any entity that can conduct business with the U.S. government the only opportunity for participants to interact with IWTSD program staff about FY 2026 requirements. Feedback received from the discussion and exchange of information during this event will help IWTSD clarify and refine requirements for the final broad agency announcement.

Action:

The event will be held on March 6, 2025 at the Hilton Alexandria Mark Center in Alexandria, VA. Registration closes March 5, 2025.

Links:

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

Contact:

Email: BIDShelp@cttso.gov

Meeting:

Pulling Guard Industry Day

FON:

DARPA-SN-25-08

Agency:

DARPA

Item:

Notice announcing the Pulling Guard Industry Day event designed to provide information to potential proposers on the objectives of the Pulling Guard program in advance of a planned Broad Agency Announcement (BAA).

Action:

The event will be held on March 18, 2025 from 9:00 a.m. to 4:00 p.m. at the Amentum Services Conference Center in Arlington, VA. Registration closes March 11, 2025.

Links:

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

Contact:

Christopher Kent, Email: DARPA-SN-25-08@darpa.mil

Meeting:

U.S. Integrated Ocean Observing System (IOOS®) Advisory Committee Public Meeting

FON:

Agency:

NOAA

Item:

Notice announcing a meeting of the U.S. Integrated Ocean Observing System (IOOS®) Advisory Committee. The meeting will focus on: on-boarding new members, developing a new work plan, and updates from NOAA and key partners.

Action:

The hybrid meeting is open to the public and will be held at LUMCON Blue Works in Houma, LA from March 12-13, 2025 from 9 a.m. to 5 p.m. and on March 14, 2025 from 9 a.m. to 12 p.m. Registration is required. Public comments must be submitted by March 4, 2025.

Links:

[Federal Register](#)

Contact:

Krisa Arzayus, 240-533-9455. Email: krisa.arzayus@noaa.gov

Notice:

Request for Information: Formal Methods to Deliver Resilient Systems (FMDRS)

FON:

DARPA-SN-25-34

Agency:

DARPA

Item:

Notice seeking information and robust community feedback on a draft DARPA Guide to Formal Methods to Deliver Resilient Systems for Proposals (FMDRS). Responses will be used to inform the use of the FMDRS guide in future DARPA solicitations.

Action:

Response due date has been pushed back to March 7, 2025.

Links:

[Contract Opportunities](#)

Contact:

Email: DARPA-SN-25-34@darpa.mil

Science/Technology/Engineering/Math 2/21/2025

Funding Opportunity:

Aerial Layer Networking and Transmission Technologies

FON:

FA875023S7002

Agency:

Defense

Item:

Notice seeking proposals to move from this current state to a significantly more on demand, self-forming, self-healing aerial layer network. Research in network monitoring and management, robust aerial networks, and proof of concept capabilities are sought to advance this objective.

Action:

White papers are due September 15, 2025. An estimated \$19.9 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

Contact:

Peter Fitzgerald, 315-330-2082. Email: peter.fitzgerald.1@us.af.mil

Funding Opportunity:

Fiscal Year (FY) 2026 Department of Defense (DoD) Defense University Research Instrumentation Program (DURIP)

FON:

N0001425SF001; NOFOAFRLAFOSR20250005; W911NF25S0003

Agency:

Defense

Item:

Notice seeking proposals to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment or instrumentation.

Action:

Proposals are due April 25, 2025. The maximum award amount is \$3 million.

Links:

[Grants.gov \(ONR\)](#)

[Grants.gov \(ARO\)](#)

[Grants.gov \(AFOSR\)](#)

Contact:

Amanda Netburn, Email: onr.ncr.durip@us.navy.mil

Funding Opportunity:

Grants-in-Aid of Research

FON:

Agency:

Foundation

Item:

Notice seeking applications to support full-time graduate and undergraduate students and Ph.D. professionals conducting scientific research in any field of science and engineering.

Action:

Applications are due March 15, 2025. Awards of up to \$5,000 for members and \$1,000 for non-members pay for travel expenses to and from a research site, for purchase of non-standard laboratory equipment necessary to complete a specific research project.

Links:

[Agency Site](#)

Contact:

Email: gjar@sigmaxi.org

Funding Opportunity:

Training and Readiness Accelerator (TReX II) Other Transaction Agreement (OTA) Request for Solutions (RFS)

FON:

TReXII-25-02_RED-075-076; TReXII-25-02_RED-073-074; TReXII-25-02_RED-095; TReXII-25-02_RED-093-094; TReXII-25-02_RED-087-088-089-090-091-092; TReXII-25-02_RED-080-081; TReXII-25-02_RED-077-078-079

Agency:

Defense, Army

Item:

Notice seeking proposals for innovative development, demonstration, and expedited delivery of prototypes to increase Warfighter readiness via modeling, simulation, education/training, experimental validation, and military readiness focused projects. Multiple topic areas are prioritized. To join the consortium and be eligible to participate, institutions must apply to the consortium and have an active Joint Certification Program (DD2345). Additional instructions on how to apply and receive certification are on the agency site.

Action:

Applications are due March 24, 2025. Additional steps needed for eligibility.

Links:

[Contract Opportunities](#)

[Agency Site](#)

[Agency Site](#)

Contact:

Email: TReXII@ati.org

Science/Technology/Engineering/Math 2/18/2025

Funding Opportunity:

Conquer Cancer invites applications for Young Investigator Award

FON:

Agency:

Foundation

Item:

Notice seeking applications for the Conquer Cancer Young Investigator Award (YIA) that provides funding to promising investigators to encourage and promote quality research in clinical oncology.

Action:

Applications are due March 31, 2025. The YIA is a one-year grant totaling \$50,000. Eligibility is limited to physicians currently in the last two years of their final oncology subspecialty training at an academic medical institution and within 10 years of obtaining their medical degree at the time of grant submission.

Links:

[PND](#)

[Solicitation](#)

Contact:

Email: grants@conquer.org

Funding Opportunity:

Crystal Substrate Bonding Technologies and Algorithms (CRYSTAL)

FON:

DARPA-EA-25-02-04

Agency:

DARPA

Item:

Notice seeking abstracts for innovative exploratory research concepts in the technical domain of wafer bonding of thin-film crystals.

Action:

Abstracts are due by June 16, 2025. Multiple awards are anticipated with each award ranging from \$100,000 to \$300,000.

Links:

[Contract Opportunities](#)

Contact:

Email: CRYSTAL@darpa.mil

Funding Opportunity:

FY2022-2026 DTRA Chemical Biological Technologies Broad Agency Announcement

FON:

HDTRA122S0002

Agency:

Defense

Item:

Notice seeking proposals for new Topic Call 6 to provide state-of-the-art defense capabilities to allow military forces of the United States to operate and to successfully complete their missions in chemical and biological warfare environments.

Action:

Proposals are due April 10, 2025. Questions on Topic Call 6 are due February 27, 2025. For topic CBM-02, offerors are encouraged to develop Research & Development collaborations with other organizations in academia, and the private sector.

Links:

[Contract Opportunities](#)

Contact:

Email: dtra.belvoir.rd.mbx.rd-cb-baa@mail.mil

Meeting:

Critical Orientation of Mathematics to Produce Advancements in Science and Security (COMPASS) Workshop

FON:

DARPA-SN-25-45

Agency:

DARPA

Item:

Notice announcing a workshop opportunity for potential proposers on the objectives of Critical Orientation of Mathematics to Produce Advancements in Science and Security (COMPASS) Advanced Research Concept (ARC) Opportunity.

Action:

The hybrid workshop will be held on March 5, 2025. The in-person portion will be held in Arlington, VA. Registration for both the in-person and online portions is required. Registration closes on March 4, 2025, or when capacity is reached.

Links:

[Contract Opportunities](#)

Contact:

Email: COMPASS@darpa.mil

Science/Technology/Engineering/Math 2/14/2025

Funding Opportunity:

Fiscal Year (FY) 2025 INnovations in Qubit Science for Fault Tolerant Quantum Computing (INQS) Program

FON:

NOFOAFRLAFOSR20250004

Agency:

Defense

Item:

Notice seeking proposals for basic research into solid-state qubits for quantum computing at various stages of maturity. Qubits of interest may support one or more of the required functions in a FTQC system. These functions may include, but are not limited to, data processing, memory storage, communication, spectator roles, or measurement.

Action:

White papers are encouraged and due March 17, 2025. Proposals are due May 12, 2025. Grant amounts are from \$150,000 to \$750,000 per year. 8 awards are anticipated.

Links:

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

Contact:

Jiwei Lu, Email: jiwei.lu@us.af.mil

Science/Technology/Engineering/Math 2/11/2025

Funding Opportunity:

Broad Agency Announcement: Weather Radar Technology Exploration for the National Weather Service

FON:

BAA_NWSRADARNEXT2024

Agency:

NOAA

Item:

Notice seeking proposals and white papers to understand technological capabilities, methodologies, and innovative processes available in the marketplace as the National Weather Service begins to develop a replacement weather program as described in Federal Acquisition Regulation (FAR) 35.016 and FAR 6.102(d)(2).

Action:

Proposals for Tier 1 are due March 28, 2025. White papers for Tier 2 and 3 are due April 30, 2025. An estimated \$1 million to \$6 million is available to fund five to fifteen awards.

Links:

[Contract Opportunities](#)

Contact:

Holly Ferguson, Email: holly.ferguson@noaa.gov

Kevin Buum Email: kevin.buum@noaa.gov

Funding Opportunity:

Kallisti

FON:

DARPA-PS-25-06

Agency:

DARPA

Item:

Notice seeking abstracts that seek to combine algorithms with human expertise to explore, in a modeling and simulation environment, potential courses of action in national security scenarios with far greater breadth and efficiency than is currently possible, enabling deterrence and compellence.

Action:

Abstracts are due February 28, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: kallisti@darpa.mil

Notice:

Request for Information on the Development of an Artificial Intelligence (AI) Action Plan

FON:

2025-02305

Agency:

National Science Foundation

Item:

Notice announcing a request for information seeking input from the public, including from academia, industry groups, private sector organizations, state, local, and tribal governments, and any other interested parties, on priority actions that should be included in the Development of an Artificial Intelligence (AI) Action Plan.

Action:

Comments are due March 15, 2025.

Links:

[Federal Register](#)

Contact:

Faisal D'Souza, 202-459-967. Email: ostp-ai-rfi@nitrd.gov

Science/Technology/Engineering/Math 2.7.2025

Funding Opportunity:

U.S. Army Research Institute for the Behavioral and Social Sciences Broad Agency Announcement for Basic Research (Fiscal Year 2026)

FON:

W911NF25S0006

Agency:

Army

Item:

Notice seeking proposals for behavior science research. The Basic Research program focuses on four strategic areas for advancing personnel science: 1) Measurement of individuals and collectives: advanced psychometric theory for deriving valid measurements from complex assessments and continuous streams of data; 2) Teams and small groups: understanding dynamic restructuring, coordination, and composition processes in teams and promoting optimal team adaptation; 3) Organizations and systems: multilevel theory and methods for complex organizations; 4) Formal and informal learning and development: holistic models of individual and collective learning and development across work settings and contexts throughout the career span.

Action:

Optional white papers are due March 9, 2025. Proposals are due July 1, 2025.

Links:

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

[Contract Opportunities](#)

Contact:

Kimberly Wingert, Email: kimberly.m.wingert.civ@army.mil

Meeting:

Commercial Strategy Embedded Entrepreneur Initiative (EEI) – Proposers Day

FON:

DARPA_02042025

Agency:

DARPA

Item:

Notice announcing a proposers' day for Commercial Strategy Embedded Entrepreneur Initiative. The EEI seeks to connect the strong technical talent resident in DARPA performer teams with equally strong business talent to bring new capabilities to market. The program provides go-to-market expertise including tools, advice, and business acumen to augment exceptional technical expertise.

Action:

The meeting will be held Tuesday, February 25, 2025, from 8:00 a.m. to 5:00 p.m. (EST) in-person at Strategic Analysis, Inc., 4075 Wilson Blvd., Suite 300, Arlington, Virginia. Registrations are due by February 18, 2025 at <https://creative.spa.com/darpa/diro/eei/pd/>.

Links:

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

Contact:

Aaron Kofford, Email: EEIProposersDay@darpa.mil

Notice:

Announcement for Partnership Proposals (AFPP) -- Lunar Volatiles Science Partnership (LVSP)

FON:

NNH25ZDA010L

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals from partners to conduct a Lunar Volatiles Science Partnership using NASA's Volatiles Investigating Polar Exploration Rover (VIPER) rover on the Moon that addresses some or all of NASA's science objectives for VIPER, and could accomplish other NASA exploration objectives, as well as any partner objective.

Action:

Step 1 proposals are due March 3, 2025. Proposers are recommended to send the HQ-volatilespartnership@mail.nasa.gov email a notice of intent to submit 72 hours prior to submission. No funds will be awarded to the partner.

Links:

[Contract Opportunities](#)

Contact:

Email: HQ-volatilespartnership@mail.nasa.gov

Science/Technology/Engineering/Math 2/4/2025

Funding Opportunity:

Commercial Solutions Opening - ERDC Cold Regions Research and Engineering Laboratory

FON:

W913E525SC001

Agency:

Defense

Item:

Notice seeking proposals to fund projects that are focused in the following five research and development thrust areas: Building Cold Region Domain Awareness; Enhancing Mobility and Maneuver in Cold Region Environments; Integrated Ice Operations; Advanced Materials Development and Applications in Extreme Cold Environments; and Resilient Cold Region Energy Systems.

Action:

Electronic submissions are due September 30, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Melodie Fisher, 60-163-44687.
Email: melodie.y.fisher@usace.army.mil

Funding Opportunity:

Critical Orientation of Mathematics to Produce Advancements in Science and Security (COMPASS)

FON:

DARPA-EA-25-02-03

Agency:

Defense

Item:

Notice seeking proposals to explore a wide range of new mathematical frameworks that have the potential to revolutionize Defense applications.

Action:

Abstracts are accepted on a rolling basis until May 12, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities Solicitation](#)

Contact:

Email: COMPASS@darpa.mil

Funding Opportunity:

Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA)

FON:

14-579

Agency:

National Science Foundation

Item:

Notice seeking proposals to support predominantly undergraduate institutions (PUIs) faculty in STEM research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education.

Action:

Proposals are accepted at any time. An estimated \$56 million is available to fund up to 245 awards.

Links:

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

Contact:

Questions, 703-292-5111. Email: info@nsf.gov

Funding Opportunity:

Microsystem Induced CAalysis (MICA)

FON:

HR001125S0007

Agency:

Defense

Item:

Notice seeking innovative proposals for the research and development of advanced concepts for modeling, simulation and fabrication of microsystem-based control of catalytic molecules. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, and systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

Action:

Required abstracts are now due February 10, 2025. Proposals are due March 20, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: MICA@darpa.mil

Funding Opportunity:

Operational Test and Training Infrastructure (OTTI) Commercial Solutions Opening (CSO)

FON:

FA2553-25-S-C001

Agency:

Defense

Item:

Notice seeking proposals in two more areas of interest. One seeking innovative solutions that can provide state-of-the-art software application development supporting tactical command and control capabilities for the physical ranges of the NSTTC. The other area of interest seeking solutions to extend and enhance existing fielded USSF Space Flag distributed synthetic training capabilities to deliver the continuous, enduring, and integrated digital arena required to equip combat-ready Guardians for a Great Power Competition (GPC).

Action:

For NSTTC, white papers and powerpoints are due March 11, 2025. For GPC, white papers and powerpoints are due February 24, 2025.

Links:

[Contract Opportunities](#)

Contact:

Email: SSC.OTTI.CSO@spaceforce.mil

Funding Opportunity:

Pioneering Aerospace Capabilities, Engineering and Research

FON:

FA2391-23-S-2403

Agency:

Defense

Item:

Notice seeking white papers to develop and apply innovative technologies and approaches to speed the acquisition time of a flight control (FC) electromechanical actuation system (EMA) to 12 months or less and at lower cost that sufficiently meets the performance and reliability requirements for an accepted risk.

Action:

White papers are due March 3, 2025.

Links:

[Contract Opportunities](#)

Contact:

Logan Hartley, Email: Logan.Hartley@us.af.mil

Megan Rosenbeck, Email: Megan.Rosenbeck@us.af.mil

Meeting:

BioElectronics to Sense and Treat (BEST) Proposers' Day

FON:

DARPA-SN-25-31

Agency:

Defense

Item:

Notice announcing a hybrid proposers' day for the potential proposer community in support of a planned program solicitation for the BioElectronics to Sense and Treat (BEST) program. The BEST program seeks to support the developing of wearable, automated technologies that can predict and prevent a wound infection before it can occur, and to eliminate an infection if it has already taken hold.

Action:

The Proposers Day will be held in person at Strategic Analysis, Inc. Executive Conference Center (SAECC), 4075 Wilson Blvd #200, Arlington, VA 22203 and via webcast on February 19, 2025, from 8:00 a.m. to 6:00 p.m. The deadline for the required registration is February 14, 2025.

Links:

[Contract Opportunities](#)

Contact:

Leonard Tender, Email: BEST@darpa.mil

Science/Technology/Engineering/Math 1/28/2025

Funding Opportunity:

Coastal Program FY25

FON:

F25AS00188

Agency:

Interior

Item:

Notice seeking proposals to address complex conservation challenges of priority coastal ecosystems with the goal to restore and protect fish and wildlife habitats on both public and private lands.

Action:

Proposals are due by May 30, 2025 for FY 2025. After this date, applications may not be awarded until the following fiscal year. An estimated \$6 million is available fund up to 150 awards.

Links:

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

Contact:

Chris Darnell, Email: chris_darnell@fws.gov

Funding Opportunity:

Infrastructure Systems and People

FON:

PD-25-342Y

Agency:

National Science Foundation

Item:

Notice seeking proposals that addresses novel system integration, user-inspired system and service design, data analytics, and socio-technical studies focused on engineering and system innovation during normal and extreme conditions. The Infrastructure Systems and People (ISP) program supports research on lifeline systems and communities that contributes to the National Science Foundation's role in the National Earthquake Hazards Reduction Program (NEHRP) and the National Windstorm Impact Reduction Program (NWIRP).

Action:

Proposals are accepted anytime.

Links:

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

Contact:

Siqian Shen, 703-292-7048. Email: siqshen@nsf.gov

Funding Opportunity:

Partners for Fish and Wildlife FY25

FON:

F25AS00165

Agency:

Interior

Item:

Notice seeking proposals to work on habitat projects in specific areas to help protect species at risk. This includes federally listed species, Birds of Conservation Concern, pollinators, and interjurisdictional fish. The goal is to improve the conservation status of these species of concern.

Action:

Proposals are due by May 30, 2025 in FY 2025. After this date, applications may not be awarded until the following fiscal year. An estimated \$15 million is available to fund up to 500 awards of up to \$750,000.

Links:

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

[Agency Site](#)

Contact:

Andreas Moshogianis, Email: andreas_moshogianis@fws.gov

Notice:

Agency Information Collection Activities: Comment Request; Grantee Reporting Requirements for Partnership for Research and Education in Materials (PREM)

FON:

3145-0232

Agency:

National Science Foundation

Item:

Notice seeking public written comments pertaining to the renewal of the Grantee Reporting Requirements for Partnerships for Research and Education in Materials (PREM) collection.

Action:

Written comments are due by March 24, 2025.

Links:

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

Contact:

Suzanne H. Plimpton, 703-292-7556. Email: splimpto@nsf.gov

Notice:

Request for Comments on the National Science Foundation's Proposed Intellectual Property Options

FON:

2025-01683

Agency:

National Science Foundation

Item:

Notice seeking public comments to inform the proposed implementation of new intellectual property (IP) provision options for use in the National Science Foundation public-private partnerships, particularly those advancing research and development, that include co-funding of awards by private partners.

Action:

Responses are due February 21, 2025.

Links:

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

Contact:

Allen Walker, 703-292-2291. Email: NSF-IPOptions-RFC@nsf.gov

Notice:

Request for Information: Formal Methods to Deliver Resilient Systems (FMDRS)

FON:

DARPA-SN-25-34

Agency:

Defense

Item:

Notice seeking information and robust community feedback on a draft DARPA Guide to Formal Methods to Deliver Resilient Systems for Proposals (FMDRS). Responses will be used to inform the use of the FMDRS guide in future DARPA solicitations.

Action:

Responses are due February 25, 2025. The contact email has been updated.

Links:

[Contract Opportunities](#)

Contact:

Email: DARPA-SN-25-34@darpa.mil

Science/Technology/Engineering/Math 1/24/2025

Funding Opportunity:

EXPRESS: 2025 Exploratory Research for Extreme-Scale Science

FON:

DE-FOA-0003545

Agency:

Energy

Item:

Notice seeking proposals in basic research to explore potentially high-impact approaches in scientific computing and extreme-scale science.

Action:

Required pre-application are due February 25, 2025. An estimated \$16 million is available to fund up to 20 awards.

Links:

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

Contact:

Hal Finkel, 301-903-1304. Email: hal.finkel@science.doe.gov

Funding Opportunity:

Microsystem Induced CAlysis (MICA)

FON:

HR001125S0007

Agency:

Defense

Item:

Notice seeking innovative proposals for the research and development of advanced concepts for modeling, simulation and fabrication of microsystem-based control of catalytic molecules. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, and systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

Action:

Required abstracts are due February 5, 2025. Proposals are due March 20, 2025.
Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: MICA@darpa.mil

Notice:

Request for Information: Formal Methods to Deliver Resilient Systems (FMDRS)

FON:

DARPA-SN-25-34

Agency:

Defense, Defense

Item:

Notice seeking information and robust community feedback on a draft DARPA Guide to Formal Methods to Deliver Resilient Systems for Proposals (FMDRS). Responses will be used to inform the use of the FMDRS guide in future DARPA solicitations.

Action:

Responses are due February 25, 2025.

Links:

[Contract Opportunities](#)

Contact:

Email: QB@darpa.mil

Science/Technology/Engineering/Math 1/21/2025

Funding Opportunity:

1890 Institution Teaching, Research, and Extension Capacity Building Grants Program

FON:

USDA-NIFA-CBGP-011395

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to enhance diversity, equity, inclusion, and accessibility of programs and encourages individuals, institutions, and organizations from underserved communities to apply to funding opportunities as lead, co-lead, or subaward recipient(s), and to engage as leaders in the peer panel review process to support the development of strong networks and collaborations.

Action:

Proposals are due May 8, 2025. An estimated \$28 million is available to fund 60 awards ranging from \$100,000 to \$750,000. Eligibility limited to 1890 Land-Grant Institutions.

Links:

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

[Agency Site](#)

Contact:

Rizana Mahroof, 803-465-3980. Email: Rizana.Mahroof1@usda.gov

Funding Opportunity:

BJA FY25 Upholding the Rule of Law and Preventing Wrongful Convictions

FON:

O-BJA-2025-172349

Agency:

Justice

Item:

Notice seeking proposals to enhance the ability of wrongful conviction review entities and conviction integrity units and their criminal justice and victims' services partners

to better identify, assess, and manage post-conviction claims of innocence while preventing future error and bring justice for victims.

Action:

Applications are due April 3, 2025 in [Grants.gov](#). An estimated \$8.3 million is available to fund up to 14 awards of up to \$600,000.

Links:

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

Contact:

OJP Response Center, 800-851-3420. Email: grants@ncjrs.gov

Funding Opportunity:

Early Career Research Program

FON:

DE-FOA-0003450

Agency:

Energy

Item:

Notice seeking applications to deliver scientific discoveries and major scientific tools to transform our understanding of nature and advance the energy, economic, and national security of the United States.

Action:

Required pre-applications are due February 18, 2025. Applications are due April 22, 2025. An estimated \$136 million is available for 94 awards for projects lasting up to five years.

Links:

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

Contact:

Contacts vary.

Funding Opportunity:

Fiscal Year 2025 Vehicle Technology Office Program Wide

FON:

DE-FOA-0003514

Agency:

Energy

Item:

Notice seeking applications to address improved battery technology for both light- and heavy-duty applications, smart charging infrastructure, sustainable farming, workforce development, and demonstration and deployment of these new innovative technologies.

Action:

Required concept papers are due April 1, 2025. Applications are due June 18, 2025. An estimated \$88 million is available to fund 47 awards of up to \$6 million.

Links:

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

[Agency Site](#)

Contact:

Email: DE-FOA-0003514@NETL.DOE.GOV

Funding Opportunity:

High-Energy-Density Laboratory Plasma Science

FON:

DE-FOA-0003526

Agency:

Energy

Item:

Notice seeking applications to support research in high-energy-density laboratory plasma science.

Action:

Required letters of intent are due January 30, 2025. Applications are due March 27, 2025. An estimated \$7 million is available to fund up to 12 awards of up to \$750,000, to support projects lasting up to three years.

Links:

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

Contact:

Dr. Kramer Akli, Email: Kramer.Akli@Science.doe.gov

Funding Opportunity:

Higher Education Challenge Grants Program

FON:

USDA-NIFA-CGP-011315

Agency:

U.S. Department of Agriculture

Item:

Notice seeking applications to strengthen institutional capacities, including curriculum, faculty, scientific instrumentation, instruction delivery systems, and student recruitment and retention, to respond to identified state, regional, national, or international educational needs in the food and agricultural sciences, or in rural economic, community, and business development.

Action:

Applications are due March 11, 2025. An estimated \$5 million is available to fund 18 awards ranging from \$30,000 to \$750,000. Eligibility is limited to colleges and universities offering the discipline and teaching of food and agricultural sciences.

Links:

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

Contact:

Solomon Haile, 615-517-4157. Email: Solomon.Haile@usda.gov

Funding Opportunity:

Pilot-scale Rapid Operational Validation of key Energy Infrastructure Technologies (PROVE IT) - Small Business Innovation Research (SBIR)

FON:

89243625QCD000019

Agency:

Energy

Item:

Notice seeking applications to validate in operational conditions new energy technology components or systems to be integrated in larger-scale energy projects.

Action:

Step 1 applications are due April 7, 2025. Step 2 applications are due approximately on June 2, 2025 (exact date to be determined). Questions are due February 17, 2025. An estimated \$31 million is available for multiple awards of up to \$4.3 million each to support projects lasting up to 33 months. Eligibility is limited to small businesses but colleges and universities may collaborate.

Links:

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

Contact:

Email: OCED.PROVEIT@hq.doe.gov

Funding Opportunity:

Plant Engineering to Revolutionize Sustainable Energy Production and Heighten Opportunities for Novel Efficiency (PERSEPHONE) (PERSEPHONE SBIR STTR)

FON:

DE-FOA-0003551; DE-FOA-0003552

Agency:

Energy

Item:

Notice seeking proposals to develop high-performance tools for bioenergy crop engineering, create novel genetic engineering modalities, and spur adoption by supporting innovative research on biocontainment.

Action:

Proposals are due March 4, 2025. An estimated \$15 million is available to fund five to seven awards. For PERSEPHONE SBIR/STTR, eligibility is limited to small businesses but colleges and universities can collaborate.

Links:

[Grants.gov \(PERSEPHONE\)](#)

[Grants.gov \(PERSEPHONE SBIR STTR\)](#)

[Agency Site](#)

Contact:

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

Funding Opportunity:

Research, Development, and Training in Isotope Production

FON:

DE-FOA-0003530

Agency:

Energy

Item:

Notice seeking applications to focus on topics involving artificial intelligence and machine learning, enhanced processing chemistry used in matter phase changes, and separation science. Applications incorporating effective ways to train the next generation of personnel with essential knowledge and skills related to the production, processing, and purification of radioactive and enriched stable isotopes are strongly encouraged.

Action:

Required pre-applications are due February 17, 2025. Application are due April 17, 2025. An estimated \$11 million is available to fund 8 to 12 awards for projects lasting up to two years. Eligibility is limited to domestic organizations.

Links:

[Grant.gov](#)

[Agency Site](#)

[Solicitation](#)

Contact:

Ethan R. Balkin, 301-903-1861. Email: Ethan.Balkin@science.doe.gov

Funding Opportunity:

Scientific Discovery through Computing (SCiDAC): Partnerships in Basic Energy Sciences

FON:

DE-FOA-0003515

Agency:

Energy

Item:

Notice seeking proposals from interdisciplinary teams to establish partnerships under the SciDAC program in specific targeted topic areas that relate to the Basic Energy Sciences and Advanced Scientific Computing Research missions.

Action:

Required pre-applications are due February 21, 2025. Application are due April 25, 2025. An estimated \$40 million is available to fund up to six awards for projects lasting up to four years.

Links:

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

Contact:

See the solicitation for a list of contacts on subject area.

Funding Opportunity:

Stimulate Utilization of Plentiful Energy in Rocks through High-temperature Original Technologies (SUPERHOT) and (SUPERHOT SBIR STTR)

FON:

DE-FOA-0003556; DE-FOA-0003557

Agency:

Energy

Item:

Notice seeking concept papers to support the research and development of technologies that enable the production of geothermal energy from super-hot reservoirs for 15 years or more. This program seeks to fund the development of novel technologies for well construction, enhance testing facilities, and optimize reservoir heat extraction to make super-hot geothermal production a reality.

Action:

Required concept papers are due February 19, 2025. Questions are due February 7, 2025. An estimated \$30 million is available to fund 5 to 15 awards ranging from \$250,000 to \$10 million. For SUPERHOT SBIR STTR, eligibility is limited to small businesses but colleges and universities may collaborate.

Links:

[Grants.gov \(SUPERHOT\)](#)
[Grants.gov \(SUPERHOT SBIR STTR\)](#)
[Agency Site](#)

Contact:

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

Funding Opportunity:

Strengthening American Infrastructure

FON:

25-534

Agency:

National Science Foundation

Item:

Notice seeking proposals to stimulate human-centered, use-inspired, fundamental and potentially transformative research aimed at strengthening America's infrastructure. The program focuses on how fundamental knowledge about human reasoning and decision-making, governance, and social and cultural processes enables the building and maintenance of effective infrastructure that improves lives and society and builds on advances in technology and engineering.

Action:

Proposals are due April 17, 2025. An estimated \$9.6 million is available to fund multiple awards ranging from \$50,000 to \$750,000.

Links:

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

Contact:

Email: NSF-SAI@nsf.gov

Funding Opportunity:

Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program

FON:

USDA-NIFA-WAMS-011117

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support research, education/teaching, and extension projects that increase participation by women and underrepresented minorities from rural areas in STEM within broadly defined areas of food and agricultural sciences. Applications must highlight and emphasize the development of a competent and qualified workforce in the food and agricultural sciences.

Action:

Applications are due February 27, 2025. An estimated \$1.8 million is available to fund up to nine awards. A 1:1 match or cost share is required (though this has the potential to be waived).

Links:

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

[Solicitation](#)

Contact:

Christopher Green, 856-328-7396.

Email: christopher.green@usda.gov

Meeting:

Committee on Equal Opportunities in Science & Engineering; Notice of Meeting

FON:

2025-00982

Agency:

National Science Foundation

Item:

Notice announcing a meeting scheduled to discuss 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 online February 13, 2025, from 1:00 p.m. to 5:30 p.m. (ET) and February 14, 2025, 10:00 a.m. to 3:30 p.m. (ET). See the agency site for details.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

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

Notice:

Request for Information: Techniques and Tools for Vulnerability Assessment of AI-enabled Systems

FON:

DARPA-SN-25-28

Agency:

Defense

Item:

Notice seeking information from industry developers and academic institutions regarding current and emerging techniques and tools for the operational assessment of potential vulnerabilities in DoD relevant artificial intelligence (AI)-enabled systems.

Action:

Responses are due February 28, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Nathaniel Bastian, Email: DARPA-SN-25-28@darpa.mil

Science/Technology/Engineering/Math 1/17/25

Funding Opportunity:

Critical Orientation of Mathematics to Produce Advancements in Science and Security (COMPASS)

FON:

DARPA-EA-25-02-03

Agency:

Defense

Item:

Notice seeking proposals explore a wide range of new mathematical frameworks that have the potential to revolutionize Defense applications.

Action:

Abstracts will be accepted on a rolling basis until November 26, 2025. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: COMPASS@darpa.mil

Funding Opportunity:

Grid Reliability with Automatic Damping and Inertia for Electrical Networks and Transmission Systems (GRADIENTS)

FON:

DE-FOA-0003554

Agency:

Energy

Item:

Notice seeking proposals to develop innovative and disruptive technologies that enable real-time power grid management via flexible renewable generation, intelligent and automatic relays, and system-wide real-time control solutions.

Action:

Concept papers are due February 14, 2025. An estimated \$30 million is available to fund 6 to 15 awards.

Links:

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

Contact:

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

Funding Opportunity:

Harnessing Autonomy for Energy Joint Ventures Offshore (HAEJO)

FON:

DE-FOA-0003536, DE-FOA-0003537 (SBIR-STTR)

Agency:

Energy

Item:

Notice seeking proposals to support the development of technical solutions to reduce the cost of seaweed biomass cultivation. The program will also develop energy-centric, million-ton-scale markets in the United States, focusing on agricultural

biostimulants that support the reduction of synthetic fertilizer use in the row crop industry and the utilization of carbon from seaweed biomass.

Action:

Concept papers are due February 13, 2025. An estimated \$25 million is available to fund 15 awards.

Links:

[Grants.gov](#)

[Grants.gov \(SBIR-STTR\)](#)

[Solicitation](#)

Contact:

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

Funding Opportunity:

Research in Basic Plasma Science and Engineering

FON:

DE-FOA-0003503

Agency:

Energy

Item:

Notice seeking applications to support research at the frontiers of basic plasma science (including astrophysical, dusty, and low temperature plasma).

Action:

Required pre-applications are due February 14, 2025. Applications are due April 4, 2025. Awards are up to \$900,000.

Links:

[Grants.gov](#)

[Solicitation](#)

Contact:

Nirmol Podder, 301-903-9536. Email: nirmol.podder@science.doe.gov

Funding Opportunity:

Science and Technology Projects Related to Coal Mining and Reclamation; Applied Science Projects

FON:

S24AS00462

Agency:

Interior

Item:

Notice seeking proposals that funds the development of new reclamation science and technology to address environmental issues related to the mining of coal and reclamation of the land after mining. The program selects and funds applied science proposals that improve public and environmental health protection.

Action:

Proposals are due March 21, 2025. An estimated \$1.6 million is available to fund up to eight awards.

Links:

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

Contact:

Jeff Ream, 412-937-2155. Email: jream@osmre.gov

Funding Opportunity:

Standards Coordination Office Curricula Development Cooperative Agreement Program

FON:

2025-NIST-SCOCD-01

Agency:

Commerce

Item:

Notice seeking proposals to develop undergraduate and/or graduate level curricula to incorporate documentary standards, standards development, and standardization information and content into seminars, modules, courses, and learning resources. The recipients will work with NIST to strengthen education and learning about documentary standards, standards development, and standardization.

Action:

Proposals are due April 14, 2025. An estimated \$800,000 is available to fund eight awards.

Links:

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

Contact:

Mary Jo DiBernardo, 301-975-5503. Email: scocdcap@nist.gov

Funding Opportunity:

U.S. Army STEM Education Consortium (ASEC) Cooperative Agreement

FON:

W911SR-25-R-ASEC

Agency:

Defense

Item:

Notice seeking proposals to provide a continuum of meaningful STEM learning experiences for students and educators through effective STEM education and outreach programs.

Action:

Proposals are due March 14, 2025. An estimated \$277 million is available.

Links:

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

Contact:

Christina Weber, Email: christina.l.weber.civ@army.mil

Science/Technology/Engineering/Math 1/14/25

Funding Opportunity:

Enabling Discovery through GENomics

FON:

21-546

Agency:

U.S. Department of Health and Human Services, National Institutes of Health

Item:

Notice seeking proposals to support the development of innovative tools, technologies, resources, and infrastructure that advance biological research focused on the identification of the causal mechanisms connecting genes and phenotypes. The program also supports functional genomic research that addresses the mechanistic basis of complex traits in diverse organisms within the context (environmental, developmental, social, and/or genomic) in which they function.

Action:

Proposals are due February 20, 2025, and every third Thursday in February annually thereafter. An estimated \$10 million is available to fund up to 15 awards.

Links:

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

[Solicitation](#)

Contact:

Email: BIOEDGE@NSF.GOV

Funding Opportunity:

NIJ FY25 Research and Evaluation for the Testing and Interpretation of Physical Evidence in Publicly Funded Forensic Laboratories

FON:

O-NIJ-2025-172329

Agency:

Justice

Item:

Notice seeking proposals for research and evaluation studies to produce practical knowledge that has the potential to improve the examination and interpretation of physical evidence in forensic science laboratories across the community of practice.

Action:

Proposals are due April 1, 2025 for Grants.gov. An estimated \$1.5 million is available to fund up to seven awards.

Links:

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

[Agency Site](#)

Contact:

OJP Response Center, 800-851-3420. Email: grants@ncjrs.gov

Funding Opportunity:

Sustainable Propane and Renewable Chemicals (SPARC)

FON:

DE-FOA-0003518

Agency:

Energy

Item:

Notice seeking proposals for research and development of domestic chemicals and fuels from a variety of biomass and waste resources. Producing chemicals and propane/liquid petroleum gas (LPG) from renewable feedstocks helps to safeguard

domestic supply chains, secure energy independence, support rural economies, and improve global competitiveness of the industry. Two topic areas are included: 1) Bio-based chemicals, will support development and adoption of new production methods for value-added chemicals from biomass. 2) Bio-based propane, to pursue new pathways for the production of sustainable liquefied propane and/or petroleum gases from a variety of feedstocks including municipal waste, agricultural residues, forest resources, and fats, oils, and grease.

Action:

Required concept papers are due March 14, 2025. A minimum 10-20% cost share is required. Award amounts differ by topic area, ranging from \$1,000,000 - \$2,500,000.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Email: sparcnofo@hq.doe.gov

Notice:

Defense Advanced Research Projects Agency (DARPA) Contracts Management Office (CMO) Request for Information (RFI)

FON:

DARPA-SN-25-35)

Agency:

Defense

Item:

Notice seeking information and feedback from “non-traditional defense contractors (including academia and small business concerns)” on acquisition innovation specific to the business framework of other transactions (a special type of agreement for a broad range of research and prototyping activities) as well as understanding any potential barriers to entry.

Action:

Responses are requested by January 31, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: Acquisitioninnovation@darpa.mil

Science/Technology/Engineering/Math 1/10/2025

Funding Opportunity:

Findable Accessible Interoperable Reusable Open Science

FON:

25-533

Agency:

National Science Foundation

Item:

Notice seeking proposals to support a broad range of transformative open science activities including research, education, and socio-technical cyberinfrastructure development capacities that advance sustainable multi-disciplinary findable, accessible, interoperable, reusable (FAIR) research data management (RDM) and open science capabilities.

Action:

Proposals are due April 9, 2025, the second Wednesday in April, annually. An estimated \$6 million is available to fund 10 awards.

Links:

[Grants.gov](#)

[Solicitation](#)

Contact:

Multiple Contacts

Funding Opportunity:

FY25 Department of the Navy (DoN) Science, Technology, Engineering, and Mathematics (STEM) Education and Workforce Program

FON:

N0001425SF003

Agency:

Defense

Item:

Notice seeking proposals for STEM education programs and activities vital to the Department of the Navy, which is formal or informal education that is primarily focused on physical and natural sciences, technology, engineering, social sciences, and mathematics disciplines.

Action:

Applications are due August 29, 2025. An estimated \$1.3 million is available to fund eight awards.

Links:

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

Contact:

Michael Simpson, Email: usn.pentagon.cnr-arlington-va.mbx.don-stem-grants@us.navy.mil

Funding Opportunity:

Private Facility Research Program

FON:

DE-FOA-0003516

Agency:

Energy

Item:

Notice seeking proposals to support public research utilizing world leading experimental capabilities owned by private companies. Along the path to constructing Fusion Pilot Plants (FPPs), many private fusion companies are constructing interim small-to-large scale research facilities to establish the scientific and/or technological basis for their chosen fusion concepts.

Action:

Pre-applications are due February 19, 2025. An estimated \$23 million is available to fund up to eight awards.

Links:

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

Contact:

Josh King, 240-535-0834. Email: josh.king@science.doe.gov

Funding Opportunity:

U.S. Advanced Nuclear Energy Licensing Cost-Share Grant Program

FON:

DE-FOA-0003339

Agency:

Energy

Item:

Notice seeking proposals to provide direct assistance for advanced reactor and supporting facilities regulatory review activities to enable advanced nuclear reactors to be demonstrated and deployed in support of the critical energy needs of the future.

Action:

Proposals are due April 8, 2025. An estimated \$13 million is available to fund up to 25 awards.

Links:

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

Contact:

Email: ARLicensingGrantNOFO@id.doe.gov

Science/Technology/Engineering/Math 1/7/25

Funding Opportunity:

Agriculture and Food Research Initiative Competitive Grants Program Foundational and Applied Science Program

FON:

USDA-NIFA-AFRI-011134

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support research in six AFRI priority areas (as well as cross-cutting programs) to advance knowledge in both fundamental and applied sciences important to agriculture. The six priority areas are: Plant Health and Production and Plant Products; Animal Health and Production and Animal Products; Food Safety, Nutrition, and Health; Bioenergy, Natural Resources, and Environment; Agriculture Systems and Technology; and Agriculture Economics and Rural Communities.

Action:

See the solicitation for multiple deadlines varying by topic area. An estimated \$300 million is available for multiple awards.

Links:

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

Contact:

See the solicitation for contacts by topic area.

Funding Opportunity:

Antarctic Research Not Requiring U.S. Antarctic Program (USAP) Field Support

FON:

25-526

Agency:

National Science Foundation

Item:

Notice seeking proposals for cutting edge research that improves understanding of antarctic systems and earth systems that include the antarctic; that utilize the unique characteristics of the Antarctic region as a science observing platform; or that build capacity and enhance diversity in the US workforce for polar-related science.

Action:

Proposals are due June 2, 2025 and January 15, 2026, then June 1 and January 15 annually thereafter. An estimated \$60 million is available for up to 50 awards.

Links:

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

Contact:

William Ambrose, 703-292-8048. Email: wambrose@nsf.gov

Funding Opportunity:

Carbon Capture Demonstration Projects Program

FON:

DE-FOA-0003473

Agency:

Energy

Item:

Notice seeking proposals to unlock a wave of follow-on investment in low-carbon power and low-carbon industrial products by increasing the capital flow to sectors where this investment is already occurring. This will be accomplished by expanding the CCUS market to power and to industrial and commercial applications that are difficult to fully electrify.

Action:

Required concept papers are due March 1, 2025. 11 awards are anticipated. The non-Federal cost share must be at least 50% of the total project costs.

Links:

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

Contact:

Email: cc-oced@hq.doe.gov

Funding Opportunity:

Collaborations in Artificial Intelligence and Geosciences

FON:

25-530

Agency:

National Science Foundation

Item:

Notice seeking proposals to advance the development and adoption of innovative artificial intelligence (AI) methods to increase scientific understanding of the Earth system. The program supports projects that advance AI techniques and/or innovative uses of sophisticated or novel AI methods to enable significant breakthroughs in addressing geoscience research question(s) by building partnerships between experts in AI and Geosciences. The ideal characteristics of a project is its potential to both answer important geoscience questions and improve AI techniques while also bringing together experts from both the AI and geoscience fields. Specific limitations for PIs, see solicitation for details.

Action:

Proposals are due April 2, 2025. An estimated \$10 million is available to fund up to five to nine awards.

Links:

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

Contact:

Andrew Zaffos, 703-292-4938. Email: caig@nsf.gov

Funding Opportunity:

Crop Protection and Pest Management Competitive Grants Program

FON:

USDA-NIFA-CPPM-011119

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support research projects that will ensure food security and respond effectively to major existing and emerging societal pest management challenges with comprehensive integrated approaches that are economically viable, ecologically prudent, and safe for human health.

Action:

Proposals are due March 6, 2025. An estimated \$2.45 million is available to fund multiple awards ranging from \$200,000 to \$325,000. Eligibility is limited to colleges and universities, as defined in [7 U.S.C. 3103](#), 1994 Institutions, and Hispanic-serving agricultural colleges and universities. Other colleges and universities may collaborate with eligible applicants.

Links:

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

Contact:

Vijay Nandula, 816-894-7229. Email: Vijay.nandula@usda.gov

Funding Opportunity:

Cybersecurity Innovation for Cyberinfrastructure

FON:

25-531

Agency:

National Science Foundation

Item:

Notice seeking proposals to advance scientific discovery and innovation by enhancing the security and privacy of cyberinfrastructure. Activities supported include the development, deployment, and integration of cybersecurity that will benefit the broader scientific community by securing science data, computation, collaboration workflows, and infrastructure.

Action:

Proposals are due April 2, 2025. Awards range, based on the four programmatic response areas. 12-20 awards are expected.

Links:

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

[Agency Site](#)

Contact:

Kevin Thompson, 703-292-4220. Email: kthompso@nsf.gov

Funding Opportunity:

ERDC Broad Agency Announcement

FON:

W912HZ-25-BAA-01

Agency:

Defense

Item:

Notice seeking proposals to conduct research in a broad range of fields: hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/ chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes.

Action:

Pre-applications are accepted on a rolling basis until December 31, 2025. Multiple awards of varying amounts are available.

Links:

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

Contact:

Allison Hudson, 601-634-5337. Email: Allison.B.Hudson@usace.army.mil

Funding Opportunity:

Farm Business Management and Benchmarking Competitive Grants Program

FON:

USDA-NIFA-FBMB-011074

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to improve the farm management knowledge and skills of agricultural producers, and maintain the national, publicly available farm financial management database to support improved farm management.

Action:

Proposals are due February 20, 2025. An estimated \$2 million is available to fund multiple awards.

Links:

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

Contact:

Ashley Mueller, 402-405-3122. Email: Ashley.Mueller@usda.gov

Funding Opportunity:

Fiscal Year (FY) 2025 Directors' Research Initiative (DRI)

FON:

NOFOAFRLAFOSR20250001

Agency:

Defense

Item:

Notice seeking proposals to fund topics that are of interest to the Air Force Office of Scientific Research, as well as areas of interest to the United States Space Force. The theme for this initiative is Energy for Agility.

Action:

White papers are due January 31, 2025. Proposals are due April 1, 2025. Four or more awards are anticipated. The award amount are from \$200,000 to \$750,000 per year, for a maximum of three years.

Links:

[Grants.gov](#)

Contact:

Julia Carrico, 202-961-4997. Email: julia.carrico@us.af.mil

Funding Opportunity:

FY 2025 Phase I Release 2

FON:

DE-FOA-0003504

Agency:

Energy

Item:

Notice seeking proposals for innovation and technology transfer programs. Both phase I and fast-track opportunities are included. Phase I is to evaluate, insofar as possible, the scientific or technical merit and feasibility of ideas that appear to have commercial potential and/or substantial application in support of mission research. Fast-Track grants are opportunities to expedite the decision and award process for scientifically meritorious applications that have a high potential for commercialization.

Action:

Required letters of intent are due January 14, 2025. Full applications are due February 26, 2025. Eligibility is limited to small businesses, but partnership opportunities exist for colleges and universities. Approximately 260 awards are anticipated. Funding varies based on phase.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

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

Funding Opportunity:

High-Assay Low-Enriched Uranium (HALEU) Nuclear Fuel Supply Chain Innovative Technology

FON:

DE-FOA-0003487

Agency:

Energy

Item:

Notice seeking proposals to address technological advancement across the front-end nuclear fuel cycle to ensure the development of a safe, sustainable and efficient supply chain of enriched uranium, enhancing current processes, and addressing technology gaps.

Action:

Proposals are due February 26, 2025. An estimated \$80 million is available to fund up to 12 awards.

Links:

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

Contact:

Email: rigbyja@id.doe.gov

Funding Opportunity:

Hybridizing Biology and Robotics through Integration for Deployable Systems (HyBRIDS)

FON:

DARPA-EA-25-02-02

Agency:

Defense

Item:

Notice seeking abstracts for innovative exploratory research concepts in the technical domain of biohybrid robotics. This opportunity aims to address significant engineering and design obstacles that prevent the development of deployable biohybrid robotic systems by understanding and controlling the integration of synthetic and biological components to achieve desired emergent system properties.

Action:

Abstracts are accepted on a rolling basis until April 7, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Email: HyBRIDS@darpa.mil

Funding Opportunity:

Materials Research Science and Engineering Centers

FON:

25-532

Agency:

National Science Foundation

Item:

Notice seeking preliminary proposals for materials research and education of the highest quality while addressing fundamental problems in science and engineering. Each center addresses research of a scope and complexity requiring the scale, synergy, and multidisciplinary provided by a campus-based research center. A center supports materials research infrastructure in the US and promotes collaboration between universities and other sectors, including industry and international organizations. A center may be located at a single institution, or may involve multiple institutions in partnership, and is composed of two to three interdisciplinary research groups.

Action:

Required preliminary proposals are due June 23, 2025. Full proposals by invitation only are due November 24, 2025. Awards range from \$3,000,000 - \$4,500,000 and approximately eight to ten awards are anticipated.

Links:

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

Contact:

Serdar Ogut, 703-292-4429. Email: sogut@nsf.gov

Funding Opportunity:

NSF-CASIS Transport Phenomena Research at the International Space Station to Benefit Life on Earth

FON:

25-529

Agency:

National Science Foundation

Item:

Notice seeking proposals to solicit research projects in the general fields of fluid dynamics, particulate and multiphase processes, combustion and fire systems, thermal transport processes, nanoscale interactions, manufacturing methods that employ any of those transport phenomena, and resulting metallic materials, metal nanostructures and ceramic materials that can utilize the International Space Station (ISS) National Lab to conduct research that will benefit life on Earth.

Action:

Proposals are due April 10, 2025. An estimated \$3.6 million is available to fund nine awards.

Links:

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

Contact:

Sachin Velankar, 703-292-2894. Email: svelanka@nsf.gov

Funding Opportunity:

Partnership to Advance Conservation Science and Practice

FON:

25-524

Agency:

National Science Foundation

Item:

Notice seeking proposals to support conservation research that investigates organismal biology, ecology, and/or evolution and is designed to contribute to the development and implementation of evidence-based activities and/or technology solutions to advance biodiversity conservation. We seek proposals that involve the implementation of conservation activities based on conservation science principles via academic-conservation organization partnerships.

Action:

Proposals are due March 17, 2025. An estimated \$16 million is available to fund 8 to 16 awards.

Links:

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

Contact:

Carolyn J. Ferguson, 703-292-2689. Email: pacsp@nsf.gov

Funding Opportunity:

ROSES 2024: A.52 Advanced Component Technology

FON:

NNH24ZDA001N-ACT

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for technology development leading to new component-level as well as subsystem-level spaceborne and/or airborne measurement technologies and techniques.

Action:

Requested notices of intent are due February 18, 2025. Proposals are due April 10, 2025. An estimated 10-12 awards are anticipated, for up to \$450,000 per year for a three-year project, and up to \$675,000 per year for a two-year project.

Links:

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

Contact:

Chris Edwards, Email: william.c.edwards@nasa.gov

Funding Opportunity:

ROSES 2024: E.12 Physical Sciences Research Studies

FON:

NNH24ZDA001N-PSRS

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for research into physical phenomena in the absence of gravity and fundamental laws that describe the universe, as well as applied research that contributes to the basic understanding of processes underlying space exploration technologies. The program is divided into two key goals: Foundations and Quantum Leaps. Foundations focuses on understanding the behavior of fluids, combustion, soft matter, and materials in the spaceflight environment. Quantum Leaps aims to probe the very nature of the universe using exquisitely precise space-based quantum sensors to test the Einstein equivalence principle, dark sector physics, and the nature of fundamental physical constants.

Action:

Step-1 proposals are due February 4, 2025. Multiple awards of varying amounts are available depending on project type.

Links:

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

Contact:

Brad Carpenter, Email: BPS-PhysicalSciences@nasaprs.com (for Foundations research proposals); Mike Robinson, Email: BPS-PhysicalSciences@nasaprs.com (for Quantum Leaps research proposals).

Funding Opportunity:

ROSES 2024: E.9 Space Biology: Research Studies

FON:

NNH24ZDA001N-SBR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to conduct research to increase understanding of how living systems respond to stressors encountered during space exploration.

Action:

Required Step-1 proposals are due February 4, 2025. Invited Step-2 proposals are due May 6, 2025. Multiple awards of varying amounts are available depending on project type.

Links:

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

Contact:

Lynn Harrison, Email: nasa-spacebiology@mail.nasa.gov

Funding Opportunity:

Smart and Connected Communities

FON:

25-527

Agency:

National Science Foundation

Item:

Notice seeking proposals to accelerate the creation of novel intelligent technologies and concepts through high-risk/high-reward research that addresses major challenges and issues faced by communities across the US. A “smart and connected community” is defined as a community that synergistically integrates intelligent technologies with the natural and built environments and with the functions of civic institutions and organizations. Proposals should be designed to advance one or more of the following community priorities: economic opportunity and growth; safety and security; human and environmental health and wellness; accessibility of critical services and resources; and the overall quality of life for those who live, work, learn, or travel within the community. Researchers should work with community stakeholders to identify and define challenges the community faces, using that interaction and input to generate high-impact, use-inspired, basic research that advances science and engineering.

Action:

Proposals are due April 4, 2025, November 10, 2025 and the second Monday in November annually thereafter. An estimated 20 to 40 awards are anticipated each year.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

David Corman, 703-292-8754. Email: dcorman@nsf.gov

Funding Opportunity:

Solar with Wildlife and Ecosystem Benefits 2 (SolWEB2)

FON:

DE-FOA-0003492

Agency:

Energy

Item:

Notice seeking proposals to invest in R&D, technical assistance, and stakeholder engagement activities that improve the compatibility of large-scale solar (LSS) facilities with wildlife and facilitate the dual use of land for agricultural and solar energy production (agrivoltaics).

Action:

Required concept papers are due February 14, 2025. An estimated \$11 million is available to fund up to eight awards.

Links:

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

Contact:

Email: solarwildlife@ee.doe.gov

Funding Opportunity:

Translation and Diffusion

FON:

25-528

Agency:

National Science Foundation

Item:

Notice seeking proposals that addresses issues of translation and diffusion that arise in moving knowledge gained from fundamental learning and education research toward application in PreK-12 STEM classroom practice or leveraging knowledge derived from effective practice toward driving fundamental research.

Action:

Proposals are due April 1, 2025. An estimated \$7 million is available to fund up to 15 awards.

Links:

[Grants.gov Solicitation](#)

Contact:

David Daniel, 703-292-8037. Email: ddaniel@nsf.gov

Funding Opportunity:

U.S. Department of Homeland Security (DHS) Small Business Innovation Research (SBIR) Program 25.1 Solicitation

FON:

70RSAT25R00000005

Agency:

Homeland Security

Item:

Notice seeking proposals to conduct research and development for homeland security-related topic areas.

Action:

Proposals are due January 21, 2025. Multiple Phase I awards (up to \$175,000) and Phase II awards (up to \$1.5 million) are available. Lead applicants must be small businesses but colleges and universities may collaborate.

Links:

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

Contact:

Email: STSBIR.PROGRAM@hq.dhs.gov

Meeting:

Advanced Scientific Computing Advisory Committee (ASCAC)

FON:

2024-30777

Agency:

Energy

Item:

Notice announcing a meeting scheduled to discuss activities of the ASCAC.

Action:

The meeting will be held January 16, from 10:00 a.m. to 5:00 p.m., and January 17, from 10:00 a.m. to 12:00 p.m. (ET), via Zoom. Connection information will be posted at the agency site.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Tanner Crowder, 301-903-5384.

Email: tanner.crowder@science.doe.gov

Meeting:

Advisory Committee for Integrative Activities; Notice of Meeting

FON:

2024-30647

Agency:

National Science Foundation

Item:

Notice announcing a meeting scheduled to discuss the advisory committee's purpose, discussion of public engagement with science, and planning of future advisory committee activities.

Action:

The meeting will be held January 28, 2025, from 1:00 p.m. to 5:00 p.m. (ET) via Zoom. Register to attend at <https://nsf.zoomgov.com/meeting/register/vJlsc-GurD4sGuCVBvu5uDHP2j4VyC2tIVo>.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Ashley Pierce, 703-292-4493. Email: apierce@nsf.gov

Meeting:

National Artificial Intelligence Advisory Committee

FON:

2024-30263

Agency:

Commerce

Item:

Notice announcing a meeting scheduled to discuss and provide recommendations on artificial intelligence.

Action:

The meeting will be held online via webconference January 28, 2025, from 2:00 p.m. to 5:00 p.m. (ET). Visit the agency website for details on how to attend.

Links:

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

Contact:

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

Meeting:

National Nanotechnology Initiative Meetings

FON:

2024-30756

Agency:

Office of Science and Technology Policy

Item:

Notice announcing a series of public meetings for stakeholder discussions of targeted nanotechnology topics through workshops and webinars, as well as meetings on behalf of communities of research and networks, between the publication date of this Notice and December 31, 2025.

Action:

Meetings will be held between the publication date of this Notice and December 31, 2025. See the agency site and the Federal Register for future announcements.

Links:

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

Contact:

Email: info@nnco.nano.gov

Meeting:

Notice Nuclear Energy Advisory Committee

FON:

Agency:

Energy

Item:

Notice announcing participation in a virtual public meeting to provide recommendations to the Office of Nuclear Energy.

Action:

The meeting will be held January 16, 2025. Registration is required with the agency contact by noon on January 15, 2025.

Links:

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

Contact:

Robert Rova, 301-903-9096. Email: robert.rova@nuclear.energy.gov

Meeting:

President's Council of Advisors on Science and Technology (PCAST)

FON:

Agency:

Executive Office of the President

Item:

Notice seeking participation in a virtual public meeting. The council is an advisory group of the nation's leading scientists and engineers, appointed by the President to augment the science and technology advice available to them from the White House, cabinet departments, and other Federal agencies. The council is consulted on and provides analyses and recommendations concerning a wide range of issues where understanding of science, technology, and innovation may bear on the policy choices before the President.

Action:

The meeting will be held January 10.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Melissa Edwards, 202-881-9018. Email: PCAST@ostp.eop.gov

Meeting:

Public Meeting of the Ocean Exploration Advisory Board

FON:

Agency:

Commerce

Item:

Notice announcing participation in a virtual public meeting. The proposed agenda includes discussion of the three focus areas determined by the recent five-year evaluation and review: 1) ensuring a national program of ocean exploration; 2) technological innovation and application; and, 3) public engagement and education.

Action:

The meeting will be held January 10, 2025 from 12:30 p.m.-1 p.m. (ET).

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

David Turner, 859-327-9661. Email: David.Turner@NOAA.gov

Notice:

Ouija Satellite Guest Investigator Data Challenge

FON:

DARPA-SN-25-15

Agency:

Defense, Defense

Item:

Notice seeking information to broaden the basic research utility of the in situ datasets collected during the Ouija mission. Selected GIs will initiate research projects that supplement or enhance the Ouija science return with their unique methods, facilities, missions, or capabilities.

Action:

Responses are due February 28, 2025.

Links:

[Contract Opportunities](#)

[Agency Site](#)

Contact:

Michael Nyack, Email: DARPA-SN-25-15@darpa.mil

Science/Technology/Engineering/Math 12/17/2024

Funding Opportunity:

EPSCoR Research Infrastructure Improvement Program: EPSCoR Collaborations for Optimizing Research Ecosystems (E-CORE)

FON:

25-523

Agency:

National Science Foundation

Item:

Notice seeking proposals to assist jurisdictions in building significant and sustainable research capacity and research infrastructure for targeted areas of focus, hereinafter referred to as “cores,” that underlie a jurisdiction's research ecosystem. Based on the

evidence-based and self-identified needs of a jurisdiction, the types of cores supported by E-CORE may include (but are not limited to) development, enhancement, and/or ensuring the sustainability of: research administration; research facilities and infrastructure (including cyberinfrastructure); STEM education (K-12) pathways; higher education pathways; early career investigator pathways; broadening participation; workforce development; national and global partnerships; community engagement and outreach; technology transfer; economic development; and use-inspired research pathways.

Action:

Proposals are due July 15, 2025, and subsequently on the third Tuesday in July thereafter. An estimated 15 new awards are anticipated each year, for four year projects up to \$10,000,000.

Links:

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

Contact:

Chinonye Whitley, 703-292-8458. Email: cwhitley@nsf.gov

Funding Opportunity:

EPSCoR Research Infrastructure Improvement: EPSCoR Research Incubators for STEM Excellence (E-RISE)

FON:

25-522

Agency:

National Science Foundation

Item:

Notice seeking proposals within the chosen research area that will lead to development and implementation of sustainable broad networks of individuals, institutions, and organizations, and that will transform the science, technology, engineering and mathematics research capacity and competitiveness in a jurisdiction. E-RISE is particularly interested in proposals that justify exploring emerging or interdisciplinary research areas with high potential impact. E-RISE projects must have

a clearly articulated research goal that will lead to new knowledge by addressing a clear hypothesis or problem. E-RISE projects should promote (i) areas of research capacity-building within a chosen research topic; (ii) development of a skilled workforce that is relevant to the research topic, as well as the project and its outcomes; (iii) a culture of collaboration and engagement across different types of academic institutions and organizations, as well as non-academic sectors (e.g., industry and government); (iv) integration of the research with societal impacts; and (v) a clear sustainability plan to preserve the resulting research incubator's team and products beyond E-RISE funding.

Action:

Proposals are due August 12, 2025 and subsequently the second tuesday annually thereafter. An estimated 15 new awards are expected each year. Awards up to \$8,000,000 for a project at least four years with the possibility to renew for an additional three years.

Links:

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

Contact:

Casonya M. Johnson, 703-292-2658. Email: casjohns@nsf.gov

Funding Opportunity:

Integrated Research, Education, and Extension Competitive Grants Program – Organic Transitions

FON:

USDA-NIFA-ICGP-011075

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices.

Action:

Proposals are due March 6, 2025. An estimated \$7.5 million is available for awards ranging from \$5,000 to \$1 million.

Links:

[Grants.gov Solicitation](#)

Contact:

Mathieu Ngouajio, 202-570-1915. Email: mathieu.ngouajio@usda.gov

Funding Opportunity:

Program Announcement for Artificial Intelligence Exploration (AIE)

FON:

DARPA-PA-25-03

Agency:

Defense

Item:

Notice announcing a program that will fund research that explores artificial intelligence through a series of solicitations.

Action:

Future funding opportunities will be released as individual solicitations under this program.

Links:

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

Contact:

Email: DARPA-PA-25-03@darpa.mil

Funding Opportunity:

ROSES 2024: A.48 Commercial Satellite Data Earth Science Research and Applications

FON:

NNH24ZDA001N-CESRA

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for Earth science research and applications based on observations acquired by NASA's Commercial Satellite Data Acquisition that contribute to the objectives and key results described in NASA's [Earth Science to Action strategy](#).

Action:

Step-1 proposals are due January 31, 2025. An estimated \$4 million is available to fund 15 to 25 awards to support projects lasting up to two years.

Links:

[Grants.gov](#)

[Agency Site](#)

[Agency Site](#)

Contact:

Melissa Martin, Email: melissa.yang@nasa.gov

Funding Opportunity:

ROSES 2024: A.65 Responsive Science Initiatives Research

FON:

NNH24ZDA001N-RSIR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking research proposals required to address societal challenges in three thematic areas: 1) understanding and forecasting zoonotic disease events; 2) minimizing contrails in commercial aviation; and 3) downscaling earth system models to address regional and local challenges. Proposal must be based on satellite remote sensing observations, begin from application readiness level 1-3; and describe how the research leads to an application for a specific user. Proposers are encouraged to involve end users as appropriate, and innovative uses of AI are encouraged.

Action:

Notices of Intent are requested by January 24, 2025. Proposals are due March 25, 2025. An estimated \$6 million is available to fund 15 to 20 awards.

Links:

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

Contact:

Argyro Kavvada, 202-213-7891. Email: argyro.kavvada@nasa.gov

Funding Opportunity:

Sea Grant Programs Only - FY2025 Enhancing Knowledge of Aquaculture Technologies, Practices, and Businesses

FON:

NOAA-OAR-SG-2025-29573

Agency:

Commerce

Item:

Notice seeking proposals to enhance knowledge of aquaculture technologies, production practices and systems, businesses, or other associated topics pertinent to the species or species group of interest to participants.

Action:

Proposals are due March 26, 2025. An estimated \$500,000 is available to fund multiple awards of up to \$75,000 each are available. Eligibility is limited to Sea Grant College Programs, Sea Grant Institutional Programs, and Sea Grant Coherent Area Programs but colleges and universities may collaborate.

Links:

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

Contact:

Chuck Weirich or Mark Rath, Email: oar.hq.sg.aquaculture@noaa.gov

Funding Opportunity:

WaterSMART Applied Science Grants

FON:

R25AS00038

Agency:

Interior

Item:

Notice seeking proposals to improve access to and use of hydrologic data, develop and improve water management tools, improve modeling and forecasting capabilities. Results from these projects will be used by water managers to increase water supply reliability, provide flexibility in water operations, improve water management, and support nature-based solutions.

Action:

Proposals are due February 10, 2026. An estimated \$10 million is available to fund multiple awards of up to \$400,000. Colleges and universities must partner with states, tribes, or other organizations with water or power delivery authority. A cost share of 25 or 50% is required.

Links:

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

Contact:

Stephanie Micek, 720-799-3158. Email: smicek@usbr.gov

Notice:

Agency Information Collection Activities: Comment Request; National Science Foundation Proposal Award Information-NSF Proposal and Award Policies and Procedures Guide

FON:

2024-29244

Agency:

National Science Foundation

Item:

Notice seeking comments on a draft revised NSF Proposal and Award Policies and Procedures Guide. The draft is available at <https://www.nsf.gov/bfa/dias/policy/>.

Action:

Comments are due by February 10, 2025.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Suzanne Plimpton, 703-292-7556. Email: splimpto@nsf.gov

Science/Technology/Engineering/Math 12/13/2024

Funding Opportunity:

Army AI Innovation Institute (A2I2)

FON:

W911NF-23-S-0001

Agency:

Defense

Item:

Notice seeking white papers in new technologies and translational research-based approaches in two research areas: Command and Control (C2), and Large Pre-Trained Models (LPTM).

Action:

White papers are due January 31, 2025.

Links:

[Contract Opportunities](#)

Contact:

Email: A2I2@army.mil

Funding Opportunity:

Bipartisan Infrastructure Law (BIL), Provision 41007 (b)(2), Wind Turbine Technology Recycling

FON:

DE-FOA-0003373

Agency:

Energy

Item:

Notice seeking proposals to accelerate the acceptance of recycling and reuse of wind energy materials. By increasing the utilization of recycled and reused materials, carbon emissions and other negative resource impacts related to new component manufacturing can be reduced or eliminated.

Action:

Proposals are due February 11, 2025. An estimated \$20 million is available to fund up to seven awards.

Links:

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

Contact:

Email: WETOFOA@ee.doe.gov

Funding Opportunity:

Chemical Evolution of the Solid Earth and Volcanology

FON:

25-516

Agency:

National Science Foundation

Item:

Notice seeking proposals to advance fundamental knowledge about the origin and evolution of our home planet including its core, mantle, and continental crust. The program encourages a wide range of laboratory, field, experimental, theoretical, and/or computational studies that explore the continuous high-temperature igneous and metamorphic geochemical and petrologic processes that shape the Earth. Volcanology and magmatic processes, ore deposits and economic geology, and geochronology are all in the purview of this program.

Action:

Proposals are accepted at any time. An estimated \$18 million is available to fund 60 awards.

Links:

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

Contact:

Jennifer A. Wade, 703-292-4739. Email: jwade@nsf.gov

Funding Opportunity:

HARMONY: Human-Centric Analytics for Resilient & Modernized Power sYstems

FON:

DE-FOA-0003446

Agency:

Energy

Item:

Notice seeking proposals to enhance grid reliability and resilience in the face of growing uncertainties and in the age of big data to accelerate pathways towards DOE grid modernization goals.

Action:

Required concept papers are due January 27, 2025. Proposals are due March 20, 2025. An esitimated \$6.25 million is available to fund up to five awards.

Links:

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

Contact:

See <https://www.fedconnect.net/FedConnect/ViPErrorPage.aspx> for contacts.

Funding Opportunity:

Neutralization In Challenging Environments Using Lethal Effects (NICELE)

FON:

N0001425SBC02

Agency:

Defense

Item:

Notice seeking proposals to explore and exploit novel deep water mine prosecution and neutralization technologies. The program will pursue efforts in Remotely Operated Vehicle (ROV) and diver teaming, target sensing and localization, energetic tools and

reactive tools for operations at depth.

Action:

Proposals are due May 12, 2025. Recommended white papers are due March 20, 2025.

Links:

[Grants.gov](#)

[Solicitation](#)

[Contract Opportunities](#)

Contact:

Amanda Bobe, 850-625-0913. Email: Amanda.L.Bobe.civ@us.navy.mil

Funding Opportunity:

Operational Test and Training Infrastructure (OTTI) Commercial Solutions Opening (CSO)

FON:

FA2553-25-S-C001

Agency:

Defense

Item:

Notice seeking proposals for innovative capabilities, solutions, and technological advancements for the OTTI Enterprise to include but not limited to space test, training, exercises, wargaming, ranges, systems, physical/live environments, synthetic/virtual environments, infrastructure, and sustainment of capabilities. It is seeking innovative solutions that combine advanced Electro-Optical (EO) technology solutions and expertise to inform beyond state-of-the-art sensitivity, resolution, and data processing techniques using a 1-meter class COTS telescope.

Action:

Required white papers and powerpoints are due January 21, 2025 to the contact.

Links:

[Contract Opportunities](#)

Contact:

Email: SSC.OTTI.CSO@spaceforce.mil

Funding Opportunity:

Systems Biology Research to Advance Bioenergy Crop Production

FON:

DE-FOA-0003453

Agency:

Energy

Item:

Notice seeking proposals for: i. Systems-level research to improve understanding of the molecular mechanisms underlying bioenergy feedstock productivity under varied and at times suboptimal environmental conditions; and ii. Systems biology-enabled investigations into the roles of microbes and microbial communities (including rhizosphere consortia, e.g. bacteria, fungi, diazotrophs, endophytes, viruses) in supporting plant productivity and vigor.

Action:

Required pre-applications are due January 17, 2025. An estimated \$75 million is available to fund 5 to 15 awards.

Links:

[Grants.gov](#)

Contact:

Kari Perez, 240-931-9627. Email: kari.perez@science.doe.gov

Science/Technology/Engineering/Math 12/10/2024

Funding Opportunity:

Life and Environments Through Time

FON:

25-517

Agency:

National Science Foundation

Item:

Notice seeking research proposals that advance knowledge about the patterns and processes relating to the origin and evolution of Earth's climate, environments, life, and sedimentary record. This research takes place at the molecular, local, regional, and global scales from the Archean Eon through the Holocene epoch.

Program supported research can be useful for predicting and planning for future global change, and for the maintenance and security of ecosystem services and human societies.

Action:

Proposals are accepted on a rolling basis. An estimated \$14 million is available to fund 50 awards.

Links:

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

[Agency Site](#)

Contact:

Margaret Fraiser, 703-292-4660. Email: mfraiser@nsf.gov

Funding Opportunity:

Minority University Research and Education Project (MUREP) Aeronautics Community and Environmental Impact Research (ACEIR)

FON:

NNH24ZHA003C-ACEIR

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for Minority Serving Institutions (MSIs) to conduct interdisciplinary research into the environmental and societal impacts of future air transportation technology and infrastructure on overburdened communities through development of new practices and radical innovation. MSIs will research how future air transportation technologies impact communities and the environment, and develop equitable, safe, affordable, and accessible approaches to the future of aviation.

Action:

Proposals are due March 3, 2025. An estimated \$4.5 million is available to fund up to seven awards.

Links:

[Grants.gov](#)

[Agency Site](#)

Contact:

Bonnie Murray, Email: NASAACEIR@nasaprs.com

Funding Opportunity:

NOAA's Transformational Habitat Restoration and Coastal Resilience Grants Under the Bipartisan Infrastructure Law Round 3

FON:

NOAA-NMFS-HCPO-2025-29526

Agency:

Commerce

Item:

Notice seeking proposals to support transformational habitat restoration projects that restore marine, estuarine, coastal, or Great Lakes ecosystems, using approaches that enhance community and ecosystem resilience to climate hazards. The program will prioritize habitat restoration projects and actions that: demonstrate significant impacts; rebuild productive and sustainable fisheries; contribute to the recovery and conservation of threatened and endangered species; promote climate-resilient ecosystems, especially in tribal, indigenous, and/or underserved communities; and improve economic vitality, including local employment.

Action:

Proposals are due April 16, 2025. An estimated \$100 million is available. Anticipated awards range from \$750,000 - \$10,000,000.

Links:

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

Contact:

Rina Studds, 301-427-8651. Email: resilience.grants@noaa.gov

Funding Opportunity:

Security, Privacy, and Trust in Cyberspace

FON:

25-515

Agency:

National Science Foundation

Item:

Notice seeking proposals to build trust in global cyber ecosystems. Proposals must be submitted related to one of the program designations, each with their own requirements and project duration: 1) research, 2) education, 3) seeding. Trust is the core tenet of this program and, for the purposes of this solicitation, is broadly defined to include our confidence in the security, privacy, and resilience of cyberspace, particularly in the face of malicious intent.

Action:

Proposals are accepted on a rolling basis, though annual target dates will be the last Monday in September starting September 29, 2025, until March 2028. Seventy-five awards are anticipated, ranging from \$50,000 - \$1.2 million.

Links:

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

Contact:

Daniela Oliveira, 703-292-4352. Email: satc@nsf.gov

Funding Opportunity:

Structure and Physics of the Solid Earth

FON:

25-518

Agency:

National Science Foundation

Item:

Notice seeking proposals for research to advance fundamental knowledge about the ongoing dynamical processes over the age of the Earth that evolve the structure of planet Earth and underpin geohazards. SPSE supports research at all temporal and spatial scales, from the Earth's core to its crust. Through laboratory, field, theoretical, and computational studies, the program encompasses a wide range of disciplines including structural geology, tectonics, and geophysics. Research in these areas can help improve our understanding of natural hazards including earthquakes and mass flows, as well as Earth's formation and its magnetic field.

Action:

Proposals are accepted on a rolling basis. An estimated \$22 million is available to fund 60 to 75 awards.

Links:

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

[Agency Site](#)

Contact:

Wendy Panero, 703-292-5058. Email: wpanero@nsf.gov

Funding Opportunity:

Water, Landscape, and Critical Zone Processes

FON:

25-519

Agency:

National Science Foundation

Item:

Notice seeking research proposals on the Earth's near-surface environment and how that environment responds to change. The Program focuses on the complex interplay amongst and between hydrologic, geomorphic, and geochemical processes and how they regulate the structure and function of the Earth's near surface. These processes drive weathering and soil development, control water availability and quality, and help regulate the Earth's climate system, all of which are important for natural resource sustainability and mitigation of natural hazards. It is expected that the research funded in this program will advance fundamental knowledge in Earth surface processes, leading to transformational discoveries in Earth Sciences.

Action:

Proposals are accepted on a rolling basis. An estimated \$23,850,000 is available to fund 60-80 awards.

Links:

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

[Agency Site](#)

Contact:

Laura Lautz, 703-292-7775. Email: llautz@nsf.gov

Science/Technology/Engineering/Math 12/06/2024

Funding Opportunity:

Indian Head NEEC BAA FY 25

FON:

N00178-25-0003

Agency:

Defense

Item:

Notice seeking proposals to develop biomarker-based tools for predicting disease contagiousness before or after symptom onset. Proposers should create novel assays or adapt existing technologies to target host- or pathogen-derived biomarkers, with a focus on minimally- or non-invasive clinical samples such as saliva, sweat, or blood.

Action:

Proposals are due January 6, 2025. An estimated \$300,000 to \$400,000 is available.

Links:

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

Contact:

Sally Sutherland Pietrzak, 401-832-8735. Email:

Sally.sutherlandpietrzak.civ@us.navy.mil

Funding Opportunity:

NSF Boosting Research Ideas for Transformative and Equitable Advances in Engineering (BRITE)

FON:

25-512

Agency:

National Science Foundation

Item:

Notice seeking proposals that enable experienced researchers with active research programs to take risks not typically associated with proposals submitted to core programs by pivoting to research areas where they have no proven track record or gaining knowledge from a different discipline and using it to forge new directions in their research field, or enter a new field; or experienced researchers with a hiatus in research activity to reestablish a foundation for sustained research productivity and broader impacts.

Action:

Proposals are due March 3, 2025. An estimated \$7 million is available to fund multiple awards.

Links:

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

Contact:

Giovanna Biscontin, 703-292-2339. Email: BRITE@nsf.gov

Funding Opportunity:

NSF Scholarships in Science, Technology, Engineering, and Mathematics Program

FON:

25-514

Agency:

National Science Foundation

Item:

Notice seeking proposals to enable academically talented, low-income students to pursue successful careers in promising STEM fields. Ultimately, the S-STEM program seeks to increase the number of academically promising low-income students who graduate with an S-STEM eligible degree and contribute to the American innovation economy with their STEM knowledge.

Action:

Proposals are due March 4, 2025. An estimated \$80 million to \$120 million is available to fund 40 to 60 awards.

Links:

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

Contact:

Thomas D. Kim, 703-292-4458. Email: tkim@nsf.gov

Science/Technology/Engineering/Math 12/03/2024

Funding Opportunity:

FY 2025 Bureau of Land Management National Conservation Lands - Management Studies Support Program

FON:

L25AS00137

Agency:

Interior

Item:

Notice seeking proposals for studies aimed at increasing understanding of the resources present on Bureau of Land Management (BLM) lands, the values these areas protect, and the effectiveness of BLM's resource management decisions. The program seeks to develop and maintain strong partnerships with state, local, university, tribal, and non-profit stakeholders in shared conservation stewardship. Results from these studies on National Conservation Lands will inform management strategies utilized throughout BLM as well as other land management entities.

Action:

Proposals are due January 31, 2025. An estimated nine awards are anticipated ranging from \$5,000 - \$40,000.

Links:

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

[Agency Site](#)

Contact:

Irene Sattler, Email: isattler@blm.gov

Funding Opportunity:

Realize Energy-rich Compound Opportunities Valorizing Extraction from Refuse waters (RECOVER and RECOVER SBIR STTR)

FON:

DE-FOA-0003510; DE-FOA-0003511

Agency:

Energy

Item:

Notices seeking proposals for transformative research and development to develop technologies to concentrate and recover high value energy materials (ammonia and critical metals) from aqueous waste streams.

Action:

Required concept papers are due December 31, 2024. An estimated \$36 million is available to fund up to 16 awards. Colleges and universities must partner with a small business applicant for the SBIR/STTR competition.

Links:

[Grants.gov \(RECOVER\)](#)

[Grants.gov \(RECOVER SBIR STTR\)
Solicitation](#)

Contact:

Email: arpa-e-co@hq.doe.gov

Funding Opportunity:

ROSES 2024: A.63 Ecohydrology

FON:

NNH24ZDA001N-ECOHYD

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals that focuses on interactions between water and ecosystems through the lens of the coupled water, energy, and carbon cycles. The program element is motivated by the hypothesis that periods of strong land-atmosphere coupling, which may be initiated by environmental pulse events, are limited in

frequency and duration, but constitute untapped sources of hydroclimate predictability.

Action:

Proposals are due March 19, 2025. Notices of Intent are requested by January 16, 2025. An estimated \$1.3 million is available to fund three to five awards.

Links:

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

Contact:

Craig Ferguson, 202-870-3049. Email: craig.r.ferguson@nasa.gov

Funding Opportunity:

ROSES 2024: F.11 Payloads and Research Investigations on the Surface of the Moon: Stand-Alone Landing Site-Agnostic

FON:

NNH24ZDA001N-PSALSA

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals to join FarmFlux teams that accelerate research at the agriculture – atmosphere interface through intensive airborne in-situ observations. members are sought to take part in three teams: instrument teams that deploy instrumentation; modeling teams that operate models to address FarmFluc objectives; and forecasting teams that support flight planning and decision-making for small and large aircraft.

Action:

Optional notices of intent are due January 17, 2025. Proposals are due March 7, 2025. An estimated \$5.5 million is available for up to 12 Instruments awards and \$1.1 million for up to four Model/Forecasting awards.

Links:

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

Contact:

Glenn Wolfe, 301-614-6008. Email: glenn.m.wolfe@nasa.gov

Funding Opportunity:

Sea Grant Programs Only - FY2025 Aquaculture Legal, Regulatory, and Policy Grants

FON:

NOAA-OAR-SG-2025-29312

Agency:

Commerce

Item:

Notice seeking proposals to support broad, non-proprietary research projects for a period of up to three years with the goal of addressing legal, regulatory, and policy topics relevant to U.S. coastal, marine, and Great Lakes aquaculture communities.

Action:

Proposals are due February 26, 2025. An estimated \$500,000 is available for multiple awards. Eligibility is limited to Sea Grant College Programs, Sea Grant Institutional Programs, and Sea Grant Coherent Area Programs but other colleges and universities may collaborate.

Links:

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

Contact:

Chuck Weirich or Mark Rath, Email: oar.hq.sg.aquaculture@noaa.gov

Funding Opportunity:

U.S. Nuclear Regulatory Commission Notice of Funding Opportunity (NOFO), Research and Development Grant, Fiscal (FY) 2025

FON:

31310025K0001

Agency:

Nuclear Regulatory Commission

Item:

Notice seeking proposals to support research and development (R&D) for nuclear science, engineering, technology, and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. University R&D activities provide an opportunity to complement current, ongoing NRC-led research.

Action:

Proposals are due January 31, 2025. An estimated \$9 - \$10 million is available to fund multiple awards.

Links:

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

Contact:

Sarah Shaffer, 301-415-2031. Email: Sarah.Shaffer@nrc.gov

Meeting:

Marine and Coastal Area-Based Management Advisory Committee Meeting

FON:

Agency:

Commerce

Item:

Notice announcing participation in a virtual public meeting. The purpose of the committee is to advise on science-based approaches to area-based protection,

conservation, restoration, and management in coastal and marine areas, including the Great Lakes.

Action:

The meeting will be held December 9, 2024. Written comments should be received by December 4, 2024.

Links:

[Federal Register](#)

[Agency Site](#)

Contact:

Ellie Roberts, 240-533-0676. Email: ellie.roberts@noaa.gov

Science/Technology/Engineering/Math 11/22/2024

Funding Opportunity:

Experiential Learning for Emerging and Novel Technologies

FON:

25-511

Agency:

National Science Foundation

Item:

Notice seeking proposals to support experiential learning opportunities for individuals from diverse professional and educational backgrounds that will increase access to and interest in career pathways in emerging technology fields (e.g., advanced manufacturing, advanced wireless, artificial intelligence, biotechnology, quantum information science, semiconductors, and microelectronics). As NSF seeks to support the development of technologies in such fields, similar support will be needed to foster and grow a diverse science, technology, engineering, and mathematics (STEM) workforce to contribute to such innovation.

Action:

Proposals are due February 20, 2025. 35 awards are expected. The maximum amount for each award is \$1 million.

Links:

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

Contact:

Questions, 703-292-5111. Email: ExLENT@nsf.gov

Funding Opportunity:

FY 2025 University Nuclear Research Infrastructure Revitalization

FON:

DE-FOA-0003314

Agency:

Energy

Item:

Notice seeking proposals to establish and/or enhance nuclear research capabilities at U.S. universities, especially in support of nuclear cyber-physical protection, new digital technologies in advanced nuclear reactors, and the development and safety assessments of small modular reactors.

Action:

Proposals are due February 12, 2025. An estimated \$6 million is available. University-led consortiums are eligible.

Links:

[Grants.gov](#)

Contact:

Email: NEUP@inl.gov

Funding Opportunity:

FY2025 NMFS-Sea Grant Fellowship in Population and Ecosystem Dynamics and Marine Resource Economics

FON:

NOAA-OAR-SG-2025-29114

Agency:

Commerce

Item:

Notice seeking proposals to support leveraged federal and state partnerships that harness the intellectual capacity of the nation's universities and research institutions to solve problems and generate opportunities in coastal communities.

Action:

Applications from students are due January 23, 2025. Awards are up to \$66,000 and 20% match is expected from host institution.

Links:

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

Contact:

NOAA Sea Grant, 301-734-1066. Email: oar.sg.fellows@noaa.gov

Funding Opportunity:

FY25 Pacific Islands - Hawai'i Marine Wildlife Response and Outreach

FON:

NOAA-NMFS-PIR-2025-29385

Agency:

Commerce

Item:

Notice seeking proposals to support management through conservation activities, incident response and support, and related outreach for Hawaiian monk seals, sea turtles, and cetaceans.

Action:

Proposals are due February 17, 2025. An estimated \$630,000 is available.

Links:

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

Contact:

Hideyo Hattori, 808-725-5057. Email: hideyo.hattori@noaa.gov

Funding Opportunity:

Large-area Photocathodes (LAP)

FON:

DARPA-PS-25-01

Agency:

Defense

Item:

Notice seeking proposals to develop large-area photocathodes. Photocathodes can be found in devices such as photomultiplier tubes, image intensifiers, high-power electronics, and even free electron lasers. Photocathodes typically use low-work function metals or semiconductors and are applied in sub-micron thicknesses on planar surfaces with millimeter to centimeter-scale areas.

Action:

Required abstracts are due December 18, 2024. Multiple awards are anticipated.

Links:

[Contract Opportunities](#)

Contact:

Email: DARPA-PS-25-01@darpa.mil

Meeting:

Advisory Committee for Computer and Information Science and Engineering

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting of the Advisory Committee for Computer and Information Science and Engineering. The purpose of the meeting is to provide advice, recommendations, and counsel on major goals and policies pertaining to Computer and Information Science and Engineering programs and activities.

Action:

The meeting will be held December 11-12, 2025 at NSF, 2415 Eisenhower Avenue, Room 3430, Alexandria, VA (In-Person and Virtual).

Links:

[Federal Register](#)

Contact:

KaJuana Mayberry, 703-292-8900. Email: ciseac@nsf.gov

Meeting:

Advisory Committee for Technology, Innovation and Partnerships

FON:

Agency:

National Science Foundation

Item:

Notice announcing a meeting of the Advisory Committee for Technology, Innovation and Partnerships. The purpose of the meeting is to provide advice to the National Science Foundation concerning the implementation of the provisions of the CHIPS and Science Act of 2022, Public Law 117-167, 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 December 13, 2024; 11a.m.-3p.m. (eastern). The meeting will be held at NSF, 2415 Eisenhower Avenue, Alexandria, VA (In-Person and Virtual).

Links:

[Federal Register](#)

Contact:

Chaitanya Baru, 703-292-8050.

Science/Technology/Engineering/Math 11/19/2024

Funding Opportunity:

FY25 IJJA-IRA Bureau of Land Management Idaho (ID) Invasive and Noxious Plant Management

FON:

L25AS00075

Agency:

Interior

Item:

Notice seeking proposals to prevent, detect, inventory, control, and monitor weed populations on public lands. This includes: Prevention, detection, and eradication of noxious weeds and invasive plant species; Development of outreach materials to engage the public in the detection of and to prevent the spread of noxious weeds and invasive plants species; and Development of methods or modeling to increase the detection and mapping of noxious weeds and invasive plant species.

Action:

Proposals are due February 3, 2025. An estimated \$500,000 is available to fund up to five awards.

Links:

[Grants.gov](#)

Contact:

Beth Maclean, 208-308-2950. Email: emaclean@blm.gov

Funding Opportunity:

U.S. Olive Oil Data Collection for Codex

FON:

USDA-FAS-10621-0750-10-25-0001

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support U.S. olive oil producers by funding the data collection and testing costs necessary for U.S. olive oil producers to be responsive to the Codex Alimentarius Committee on Fats and Oils (CCFO)'s request for data to update the Codex Olive Oil standard on quality parameters, pyropheophytin (PPP) and 1,2-diglycerides (DAGs).

Action:

Proposals are due January 13, 2025. An estimated \$2.2 million is available.

Links:

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

Contact:

Angel Gonzalez, 202-615-1742. Email: angel.gonzalez@usda.gov

Meeting:

Ocean Research Advisory Panel (ORAP)

FON:

Agency:

Commerce

Item:

Notice announcing a meeting of the Ocean Research Advisory Panel. The purpose of the meeting is to examine barriers, challenges, and potential mechanisms that expand opportunities for public-private partnerships by engaging external input from Government and Industry.

Action:

The meeting will be held December 3, 2024 from 9 a.m. to 4:30 p.m. EST and December 4, 2024 from 8:30 a.m. to 10:30 a.m. EST.

Links:

[Federal Register](#)

Contact:

Viviane Silva, 240-624-0656. Email: DFO.orap@noaa.gov

Science/Technology/Engineering/Math 11/15/2024

Funding Opportunity:

FY25 IJJA-IRA Bureau of Land Management Idaho (ID) Invasive and Noxious Plant Management

FON:

L25AS00075

Agency:

Interior

Item:

Notice seeking proposals to prevent, detect, inventory, control, and monitor weed populations on public lands. This includes: Prevention, detection, and eradication of noxious weeds and invasive plant species; Development of outreach materials to engage the public in the detection of and to prevent the spread of noxious weeds and invasive plants species; and Development of methods or modeling to increase the detection and mapping of noxious weeds and invasive plant species.

Action:

Proposals are due February 3, 2025. An estimated \$500,000 is available to fund up to five awards.

Links:

[Grants.gov](#)

Contact:

Beth Maclean, 208-308-2950. Email: emaclean@blm.gov

Funding Opportunity:

U.S. Olive Oil Data Collection for Codex

FON:

USDA-FAS-10621-0750-10-25-0001

Agency:

U.S. Department of Agriculture

Item:

Notice seeking proposals to support U.S. olive oil producers by funding the data collection and testing costs necessary for U.S. olive oil producers to be responsive to the Codex Alimentarius Committee on Fats and Oils (CCFO)'s request for data to update the Codex Olive Oil standard on quality parameters, pyropheophytin (PPP) and 1,2-diglycerides (DAGs).

Action:

Proposals are due January 13, 2025. An estimated \$2.2 million is available.

Links:

[Grants.gov](#)

Contact:

Angel Gonzalez, 202-615-1742. Email: angel.gonzalez@usda.gov

Meeting:

Ocean Research Advisory Panel (ORAP)

FON:

Agency:

Commerce

Item:

Notice announcing a meeting of the Ocean Research Advisory Panel. The purpose of the meeting is to examine barriers, challenges, and potential mechanisms that expand opportunities for public-private partnerships by engaging external input from Government and Industry.

Action:

The meeting will be held December 3, 2024 from 9 a.m. to 4:30 p.m. EST and December 4, 2024 from 8:30 a.m. to 10:30 a.m. EST.

Links:

[Federal Register](#)

Contact:

Viviane Silva, 240-624-0656. Email: DFO.orap@noaa.gov

Science/Technology/Engineering/Math 11/12/2024

Funding Opportunity:

Broad Agency Announcement (BAA) for the Joint Airborne Mission Survivability IPT

FON:

N0016425SNB10

Agency:

Defense

Item:

**Notice seeking proposals for technologies in the ASE protection chain, including:
Threat Detection: Sensing and identifying a threat;**

Fix: Geo-location and threat avoidance; Signature: Tactics and procedures to reduce signatures but also equipment that can modify or alter an aircraft's signature; Defeat: This includes traditional jammers, expendables, towed decoys but also new solutions

launched from the aircraft; and Assess: The ability to evaluate the effects of avoidance, signature management or defeat.

Action:

White papers are due December 5, 2024. Multiple awards expected.

Links:

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

Contact:

Judith Blanton, 812-381-7156. Email: judith.a.blanton3.civ@us.navy.mil

Funding Opportunity:

BROAD AGENCY ANNOUNCEMENT (BAA)- Research and Development (R&D) for Air Force Airbase Systems

FON:

FA8051-24-S-0001

Agency:

Defense

Item:

Notice seeking white paper proposals for a wide range of research topic areas related to Air Force facilities, operation, and infrastructure, including the following: facilities in extreme environments like the arctic; robotics and automation; civil engineering materials; emergency response and fire protection; modern timber products for use in expeditionary environments; dismantling of weapons; and airbase energy and utilities.

Action:

Calls for white paper proposals will be issued throughout the five year life of this BAA. Selected applicants will be invited to submit full proposals. An estimated \$49 million is available for multiple awards lasting up to five years.

Links:

[Contract Opportunities](#)

Contact:

Julie Sosa, Email: julie.sosa.2@us.af.mil

Funding Opportunity:

Designing Materials to Revolutionize and Engineer our Future

FON:

25-508

Agency:

National Science Foundation

Item:

Notice seeking proposals to foster the design, discovery, and development of materials to accelerate their path to deployment by harnessing the power of data and computational tools in concert with experiment and theory. DMREF emphasizes a deep integration of experiments, computation, and theory; the use of accessible digital data across the materials development continuum; and strengthening connections among theorists, computational scientists, data scientists, mathematicians, statisticians, and experimentalists as well as those from academia, industry, and government.

Action:

The proposal submission window is January 21, 2025 - February 4, 2025. An estimated \$40 million is available to fund up to 25 awards.

Links:

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

[Agency Site](#)

Contact:

Multiple Contacts.

Funding Opportunity:

Disruptive DC Converters for Grid Resilient Infrastructure to Deliver Sustainable Energy (DC-GRIDS) (SBIR STTR)

FON:

DE-FOA-0003499; DE-FOA-0003500

Agency:

Energy

Item:

Notice seeking proposals to research and develop transformative technologies that enable a multi-terminal high-voltage direct current transmission macrogrid, which will enable multi-directional power routing, flexible interconnections between existing and new alternating current and direct current lines, and the easier addition of sustainable energy sources.

Action:

Required concept papers are due December 10, 2024. The deadline for full applications is yet to be determined. An estimated \$38 million is available to fund 10 to 12 awards between the two solicitations. Colleges and universities may apply directly to the base DC-GRIDS solicitation, but must collaborate with a small business applicant for DC-GRIDS SBIR/STTR applications.

Links:

[Grants.gov \(DC-GRIDS\)](#)

[Grants.gov \(DC-GRIDS SBIR STTR\)](#)

Contact:

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

Funding Opportunity:

Emerging Mathematics in Biology

FON:

25-509

Agency:

National Science Foundation

Item:

Notice seeking proposals for projects to stimulate the development of innovative mathematical theories, techniques, and approaches to investigate challenging questions of great interest to biologists and public health policymakers. The program will prioritize integrative research projects in mathematical biology that address challenging and significant biological questions through novel applications of traditional, but nontrivial, mathematical tools and methods or the development of new mathematical theories particularly from foundational mathematics, including the mathematical foundation of Artificial Intelligence/Deep Learning/Machine Learning enabling explainable AI or mechanistic insight. The program emphasizes the uses of mathematical methodologies to advance our understanding of complex, dynamic, and heterogenous biological systems at all scales (molecular, cellular, organismal, population, ecosystems, evolutionary, etc.)

Action:

Proposals are due March 3, 2025. An estimated \$2 million to \$6 million is available to fund up to 15 awards.

Links:

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

Contact:

Zhilan Feng, 703-292-7523. Email: zfeng@nsf.gov

Funding Opportunity:

Great Lakes Fish and Wildlife Restoration Act FY 2025

FON:

F25AS00105

Agency:

Interior, Interior

Item:

Notice seeking pre-proposals for research and regional projects for the restoration of the Great Lakes Basin fish and wildlife resources. Program goals and priorities include: restoring and maintaining self-sustaining fish and wildlife resources; minimizing the impacts of contaminants; protecting, maintaining, and where

degraded and destroyed, restoring habitat, including the enhancement and creation of wetlands; stopping illegal activities adversely impacting fishery and wildlife resources; restoring threatened and endangered species to viable, self-sustaining levels; protecting, managing, and conserving migratory birds.

Action:

Two-page pre-proposals and regional project proposals are due January 8, 2025. Regional Project anticipated awards range between \$200,000-\$500,000 and anticipated restoration and research awards range between \$10,000 - \$250,000.

Links:

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

Contact:

Rick Westerhof, Email: rick_westerhof@fws.gov

Funding Opportunity:

Quantum Sensing of Neutrinos (QuSeN)

FON:

HR001125S0004

Agency:

Defense

Item:

Notice seeking proposals for new, high sensitivity neutrino detectors. Proposed research should investigate innovative approaches that enable revolutionary advances in neutrino detection science, devices and systems. 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.

Action:

Required abstracts are due November 25, 2024. Proposals are due January 20, 2025. Multiple awards expected up to \$5 million.

Links:

[Grants.gov](#)

[Contract Opportunities](#)

Contact:

BAA Coordinator, Email: QuSeN@darpa.mil

Funding Opportunity:

ROSES 2024: F.5 Future Investigators in NASA Earth and Space Science and Technology

FON:

NNH24ZDA001N-FINESST

Agency:

National Aeronautics and Space Administration

Item:

Notice seeking proposals for graduate student-designed and performed research projects that contribute to Science Mission Directorate's (SMD) science, technology, and exploration goals.

Action:

Proposals are due February 5, 2025. 60 awards are anticipated.

Links:

[Grants.gov](#)

[Solicitation](#)

Contact:

The HQ-FINESST Team, Email: HQ-FINESST@mail.nasa.gov

Funding Opportunity:

Strategic Environmental Research and Development Program (SERDP) Core Broad Agency Announcement

FON:

W912HQ25S0001

Agency:

Defense

Item:

Notice seeking pre-proposals for environmental research focusing in the topic areas of Environmental Restoration, Resource Conservation and Resilience, and Weapons Systems and Platforms.

Action:

Required pre-proposals are due January 7, 2025. Invited full proposals are due March 13, 2025. An estimated \$10 million is available to fund multiple awards.

Links:

[Contract Opportunities](#)

Contact:

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

Science/Technology/Engineering/Math 11/08/2024

Funding Opportunity:

Atmospheric System Research (ASR)

FON:

DE-FOA-0003484

Agency:

Energy

Item:

Notice seeking proposals to supports research on key cloud, aerosol, precipitation, and radiative transfer processes that affect the Earth's radiative balance and hydrological cycle, especially processes that limit the predictive ability of regional and global models. This NOFO solicits research grant applications for observational, data analysis, and/or modeling studies that use BER-supported Atmospheric Radiation

Measurement (ARM) user facility observations to improve understanding and model representation of: 1) Atmospheric processes from ARM's Coast-Urban-Rural Atmospheric Gradient Experiment (CoURAGE) and 2) High latitude and Southern Ocean atmospheric processes using ARM observations.

Action:

Required pre-applications are due January 7, 2025. An estimated \$6 million is available to fund six to nine awards.

Links:

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

Contact:

Jeff Stehr, Email: Jeff.Stehr@science.doe.gov

Funding Opportunity:

Environmental System Science (ESS)

FON:

DE-FOA-0003475

Agency:

Energy

Item:

Notice seeking proposals to advance an integrated, robust, and scale-aware predictive understanding of terrestrial systems and their interdependent microbial, biogeochemical, ecological, hydrological, and physical processes. The ESS program scope advances foundational process knowledge with an emphasis on understudied ecosystems.

Action:

Required pre-applications are due December 11, 2024. Applications are due March 13, 2025. An estimated \$6 million is available to fund up to 10 awards.

Links:

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

Contact:

Brian Benscoter. Email: Brian.Benscoter@science.doe.gov

Meeting:

National Artificial Intelligence Advisory Committee

FON:

Agency:

Commerce

Item:

Notice announcing a meeting of the National Artificial Intelligence Advisory Committee (NAIAC or Committee). The primary purpose of this meeting is to have invited guests brief the full Committee on topics of interest related to AI in Hardware and AI and Energy.

Action:

The meeting will be held Thursday, November 21, 2024 from 2 p.m.-4:30 p.m. ET. The meeting will be held via webinar.

Links:

[Federal Register](#)

Contact:

Cheryl L. Gendron, 301-975-2785. Email: cheryl.gendron@nist.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](https://www.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](https://www.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](#)

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

Links:

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

Links:

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

Links:

[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](#)
[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](#)
[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](https://www.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](#)
[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](#)
[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](https://www.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](#)
[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](https://www.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](https://www.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 (AQR)

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](#)
[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](https://www.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](#)

[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](#)
[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 to 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](https://www.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](https://www.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

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

Contact:

AIISL 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](#)
[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](#)
[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:

USASMD 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](https://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:

IIJA-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:

IJA-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:

IJA-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](#)
[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](https://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](https://www.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](#)

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](https://www.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](https://www.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](https://www.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](#)

[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](https://www.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](https://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](https://www.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](https://www.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](#)

[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](https://www.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](https://www.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 lightening 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](https://www.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](https://www.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](https://www.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](#)

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. Pls 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](https://www.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](https://www.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](https://www.grants.gov)

Contact:

Questions, Email: SM.FS.glri@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 FFRRRC 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](https://www.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 involved 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](https://www.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](#)
[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](https://www.grants.gov)
[Solicitation](#)

CONTACT:

Email: NASAEONS2024@nasaprs.com

FUNDING OPPORTUNITY:

FY 2024 Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) STEM Innovator Award

FON:

NNH24ZHA003CTEAMIIIINOV

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 Girtten, 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](#)

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](#)

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](https://www.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](https://www.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](https://www.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 900 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](https://www.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