

## ARTS, HUMANITIES, and INTERNATIONAL

Designing for Sustainable Physical Rehabilitation and Assistive Technology Services in Health Systems  
United States Agency for International Development (USAID)

Notice seeking expressions of interest to co-create, co-design, co-invest, and collaborate on research and development interventions to address how to effectively and efficiently strengthen physical rehabilitation and assistive technology services in health systems.

Expressions of interest are due March 13, 2020. Questions are due February 28, 2020. Approximately \$60 million is available to support up to three awards.

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

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Internet Freedom: Advancing and Promoting Peer-to-Peer Communications Technologies  
Department of State (State), Bureau of Democracy Human Rights and Labor (DRL)

Notice seeking proposals for long-term development, core support, outreach, and implementation of censorship-defeating peer-to-peer communications technologies. In support of the U.S. government's policy to "promote an open, interoperable, reliable, and secure internet that fosters efficiency, innovation, communication, and economic prosperity, while respecting privacy and guarding against disruption, fraud, and theft," as described in the 2018 US National Cyber Strategy, DRL supports the development of anti-censorship technologies, including tools to permit peer-to-peer communications that can be useful during a network shutdowns or severe disruptions.

Proposals are due April 10, 2020. Approximately \$2 million is available to support one award.

Limited Submission: Primary organizations can submit one application

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

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Ukraine National Identity Through Youth (UNITY) Activity  
United States Agency for International Development (USAID), Ukraine USAID-Kiev

Notice seeking proposals to foster vested ownership among young people in Ukraine's democratic, European future by further mobilizing youth leadership around a values-based conception of Ukrainian identity grounded in innovation, engagement, and pluralism. This will be achieved by supporting expanded opportunities for young people to define their future together and by strengthening their skills and an enabling environment that will empower youth to meaningfully participate in civic and economic opportunities.

Applications are due April 6, 2020. Approximately \$38 million is available to support one award over a five-year period.

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

## EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Annual Surveys of Probation and Parole 2020-2024  
Department of Justice (Justice), Bureau of Justice Statistics (BJS)

Notice seeking applications for the collection, analysis, and dissemination activities of one of its largest data collections on community corrections, the Annual Surveys of Probation and Parole.

Applications are due April 21, 2020. Approximately \$2.75 million is available to support one award for 60 months.

LINKS: [Grants.gov](#)

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National Prisoner Statistics Program (NPS) and National Corrections Reporting Program (NCRP),  
Reference Years (RY) 2020-2024  
Department of Justice (Justice), Bureau of Justice Statistics (BJS)

Notice seeking applications for collection, analysis, and dissemination activities of two of its largest data collections on state and federal prisoners: The National Prisoner Statistics Program (NPS) and the National Corrections Reporting Program (NCRP).

Applications are due April 14, 2020. Approximately \$4.5 million is available to support one award for 60 months.

LINKS: [Grants.gov](#)

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2020 Build to Scale Program - Concept Proposal  
Economic Development Administration (EDA), Department of Commerce (Commerce), Office of Innovation and Entrepreneurship (OIE)

Notice seeking applications from organizations that are aiding companies in developing the next generation of technologies. These organizations may be operating initiatives to unlock investment capital across a region or sector, operating programs to accelerate company growth, empowering the next generation of entrepreneurs, and/or enabling technology commercialization. Applications are sought for three separate competitions: Venture Challenge, Capital Challenge, and Industry Challenge.

Required concept proposals are due March 24, 2020. Full proposals are due June 14, 2020. Approximately 70 awards of up to \$1.5 million each are available. Applicants must provide a 50 percent non-federal match.

Limited Submission: Applicants may apply to all three challenges but may only submit one application per competition

LINKS: [Grants.gov](#), [Agency Site](#)

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FY 2018 Safety Research Demonstration Program  
U.S. Department of Transportation (DOT)

Notice seeking applications to improve the operational safety of rail transit services in the U.S. with particular interests in the following: 1. preventing and mitigating suicide; 2. trespassing hazards on rail transit systems; and 3. improve the operational safety of shared corridor fixed guideway systems, including highway-rail grade crossing safety.

Applications are due March 24, 2020. Approximately \$7 million is available for four awards. An eligible lead applicant must be an existing FTA grant recipient and eligible project partners and sub-recipients under this program. On March 4, 2020, FTA will host a webinar on two newly announced funding opportunities: the Safety Research and Demonstration Program and the Bus Operator Compartment Redesign Program. Register here: <https://tinyurl.com/yx6ypzwr>

LINKS: [Grants.gov](#), [Solicitation](#)

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FY 2020 National Infrastructure Investments  
AGENCY:

Notice seeking applications to fund planning and capital investments in surface transportation infrastructure and are to be awarded on a competitive basis for projects that will have a significant local or regional impact. BUILD funding can support roads, bridges, transit, rail, ports or intermodal transportation.

Applications are due May 18, 2020. Approximately \$1 billion is available for awards up to \$25 million each. Eligible applicants are States, local and tribal governments, including U.S. territories, transit agencies, port authorities, metropolitan planning organizations, and other political subdivisions of State or local governments. Multiple States or jurisdictions may submit a joint application and must identify a lead applicant as the primary point of contact. Opportunities may exist for colleges and universities to collaborate.

LINKS: [Grants.gov](#), [Agency Site](#), [Federal Register](#)

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National Coastal Wetlands Conservation Grant Program  
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking application to fund the following activities: 1) Acquisition of a real property interest in coastal lands or waters (coastal wetlands ecosystems) from willing sellers or partners, provided that the terms and conditions will ensure the real property will be managed for long-term conservation; and 2) The restoration, enhancement, or management of coastal wetlands ecosystems, provided that restoration, enhancement, or management will be administered for long-term conservation.

Applications are due June 26, 2020. Approximately 25 awards of up to \$1 million each are available.

LINKS: [Grants.gov](#), [Agency Site](#)

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Port Infrastructure Development Grants  
U.S. Department of Transportation (DOT), Maritime Administration

Notice seeking applications to support projects that will improve the safety, efficiency, or reliability of the movement of goods into, out of, around, or within a port.

Applications are due May 18, 2020. Approximately \$225 million is available for awards ranging from \$1 million to \$56 million each. Eligibility is limited to port authorities and units of state or local government or regional government organizations, but opportunities may exist for colleges and universities to collaborate.

LINKS: [Grants.gov](#), [Agency Site](#)

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Request for Information-Partnerships in Ocean Science and Technology  
Office of Science and Technology Policy (OSTP), Council on Environmental Quality (CEQ)

Notice seeking information from a wide range of stakeholders, including academia, private sector, philanthropy, and other relevant organizations and institutions, in order to inform OSTP and CEQ as they prepare to identify opportunities and develop recommendations for collaboration related to U.S. ocean science and technology goals: (1) Understand the ocean in the earth system; (2) promote economic prosperity; (3) ensure maritime security; (4) safeguard human health; and (5) develop resilient coastal communities.

Email responses to [oceansummit@ostp.eop.gov](mailto:oceansummit@ostp.eop.gov) with the subject line "Partnerships in Ocean Science and Technology" by March 19, 2020.

LINKS: [Federal Register](#), [Agency Site](#)

## HEALTH and MENTAL HEALTH

Drug-Free Communities (DFC) Support Program-New  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS),  
National Center for Injury Prevention and Control (NCIPC)

Notice seeking applications to establish and strengthen collaborations to support the efforts of community coalitions working to prevent and reduce substance use among youth by addressing the factors in a community that increase the risk of substance abuse and promoting the factors that minimize the risk of substance abuse.

Applications are due April 3, 2020. Approximately 200 awards of up to \$125,000 per year are available. Cost sharing is required.

LINKS: [Grants.gov \(New\)](#), [Grants.gov \(Competing Continuation\)](#)

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Implementing the HIV Service Cascade for Justice-Involved Populations (U01 Clinical Trial Required)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking applications to addresses research gaps related to the delivery of integrated treatment services for HIV and opioid use disorder among the justice-involved population in the US, with a goal of improving treatment management and implementation.

Optional LOI's are due March 30, 2020. Applications are due April 30, 2020. Approximately \$4 million is available for three awards to support projects lasting up five years.

LINKS: [Grants.gov](#), [Solicitation](#)

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Integrated Pathogen Reduction Technologies for whole blood and blood components for transfusion (R01)  
Clinical Trial Not Allowed  
Food and Drug Administration (FDA), Department of Health and Human Services (HHS)

Notice seeking applications to support the Center of Biologics Evaluation and Research in identifying pathogen inactivation technology that could be applied to whole blood at the point of collection or just after, followed by separation of that blood into components (red blood cells, platelets, and plasma), potentially reducing or eliminating donor deferral and/or testing requirements. This project involving a moderately-sized pilot program would assess the feasibility of the widespread introduction of pathogen inactivation of whole blood that is collected. The request would cover completion of necessary preparatory basic laboratory-based research work, purchase of the necessary equipment, and contracting for the blood banking services required for the demonstration of the feasibility of this approach.

Applications are due April 22, 2020. Approximately five awards of up to \$1.6 million per year are anticipated to support projects lasting up to two years.

LINKS: [Grants.gov](#), [Solicitation](#)

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Shared Instrumentation Grant (SIG) Program (S10 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences (NIGMS)

Notices announcing three funding opportunities to support the purchase of shared instrumentation, shared instrumentation for animal research, and high-end instrumentation.

Applications for all three programs are due June 1, 2020. Optional letters of intent are due May 1, 2020.

LINKS: [Grants.gov \(PAR-20-112\)](#), [Grants.gov \(PAR-20-113\)](#), [Grants.gov \(PAR-20-114\)](#)

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Training Modules to Enhance the Rigor, Reproducibility and Responsible Conduct of Biomedical Data Science Research (R25 - Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for funding to support the development of exportable training modules designed to enhance the rigor, reproducibility, and responsible conduct of biomedical and behavioral data science research, targeted to trainees and researchers at any career level. See the solicitation for areas of specific interest for each participating NIH institute.

Applications are due June 19, 2020. Award numbers and amounts vary by participating NIH institute.

LINKS: [Grants.gov](#), [Solicitation](#)

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Expeditions in Computing  
Directorate for Computer & Information Science & Engineering (CISE), National Science Foundation (NSF)

Notice seeking proposals to build on past successes and provide the CISE research and education community with the opportunity to pursue ambitious, fundamental research agendas that promise to define the future of computing and information.

Required preliminary proposals are due June 16, 2020. Proposals are due February 16, 2021. Approximately \$60 million is available to support up to four awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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Fiscal Year 2021 Defense University Research Instrumentation Program (DURIP)  
Department of Defense (Defense), Army Research Office (ARO); Air Force Office of Scientific Research (AFOSR)

Notice seeking proposals to provide equipment and instrumentation to enhance research related education in areas of interest and priority to the DoD.

Proposals are due May 15, 2020. Questions are due April 24, 2020. Approximately \$48 million is available.

LINKS: [Grants.gov](#)

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Research Opportunities in Space and Earth Sciences (ROSES) 2020  
National Aeronautics and Space Administration (NASA)

Notice seeking application to support all aspects of basic and applied research and technology in space and earth sciences. Broad focus areas include: Earth Science; Heliophysics; Planetary Science; Astrophysics; and Crossdivisional research.

Notices of intent and Proposal due dates vary. The announcement is open until April 14, 2021.

LINKS: [Solicitation](#)

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ROSES 2020: Astrophysics Research and Analysis

National Aeronautics and Space Administration (NASA)

Notice seeking proposals for investigations that are relevant to NASA's programs in astronomy and astrophysics and includes research over the entire range of photons, gravitational waves, and particle astrophysics.

Mandatory Notices of intent are due October 23, 2020. Proposals are due December 17, 2020. The amount and number of awards will vary.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Atmospheric Composition Campaign Data Analysis and Modeling  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for the analysis and modeling of the data produced as part of these airborne campaigns. The use of NASA sponsored airborne data is required. Preference will be given to proposals that also use satellite remote sensing data.

Proposals are due September 18, 2020. Approximately \$5 million is available to support up to 30 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Carbon Monitoring System  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals designed to make significant contributions to characterizing, quantifying, understanding, and predicting the evolution of global carbon sources, sinks, and fluxes through improved monitoring of terrestrial and aquatic carbon stocks and fluxes.

Notices of intent are due August 31, 2020. Step-2 proposals are due October 16, 2020. Approximately \$4.4 million is available to support 12 to 16 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: CYGNSS Competed Science Team  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to support the continued use of both the ocean and land data products through scientific investigations and end-user applications; successful proposers will become members of the Competed Cyclone Global Navigation Satellite System (CYGNSS) Science Team.

Notices of intent are due August 14, 2020. Proposals are due September 18, 2020. Approximately \$2.5 million is available to support 14 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Development and Advancement of Lunar Instrumentation Program  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to support the advanced development of spacecraft-based instruments that show promise for use in future lunar missions including expected commercial ventures. The goal of the program is to develop and demonstrate lunar science instruments to the point where they may be proposed in response to future announcements of flight opportunity without additional extensive technology development (approximately technology readiness level [TRL] 6).



Required Step-1 proposals are due April 17, 2020. Step-2 proposals are due June 12, 2020. Approximately \$1 million per year per award is available to support five awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Discovery Data Analysis  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to enhance the scientific return of Discovery Program missions and broaden the scientific participation in the analysis of data, both recent and archived, collected by Discovery missions.

Step-1 proposals are due August 28, 2020. Step-2 proposals are due October 30, 2020. Approximately \$2.5 million is available to support 10 to 16 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Early Career Fellowship Start-Up Program for Named Fellows  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to support the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the areas supported by the Planetary Sciences Division. This Program is based on the idea that supporting key individuals is a critical mechanism for achieving high-impact science that will lead the field forward with new concepts, technologies, and methods.

Proposals are due on a rolling basis until March 29, 2021. To be eligible for start-up funds, the PI must have previously been named an Early Career Fellow.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Early Career Investigator Program  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals designed to support outstanding scientific research and career development of scientists at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate diverse scientific leadership in Heliophysics.

Required Step-1 proposals are due May 13, 2020. Step-2 proposals are due August 12, 2020. Approximately \$1.5 million is available to support 8 to 12 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Exoplanets Research  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to conduct scientific investigations focused on exoplanets and exoplanetary systems. Broad objectives of this program include but are not limited to: the detection and characterization of exoplanetary systems; characterization of individual exoplanets, through their composition, dynamics, energetics, chemical behavior, etc.; and the origins of exoplanets.

Required Step-1 proposals are due March 27, 2020. Step-2 proposals are due May 29, 2020. Approximately \$4 million is available to support 25 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Global Ecosystem Dynamics Investigation (GEDI) Science Team  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for studies that use GEDI data to address scientific questions in terrestrial ecology, carbon cycle science, biodiversity, and interactions of the biosphere with the atmosphere and hydrosphere. Selected principal investigators will become members of the GEDI Science Team.

Notices of intent are due May 1, 2020. Proposals are due June 16, 2020. Up to \$2.5 million is available to support 15 to 20 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: GOLD-ICON Guest Investigators  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to maximize the scientific return from these missions by providing support for research beyond the scope of work of the mission science teams.

Required Step-1 proposals are due February 21, 2021. Step-2 proposals are due April 14, 2021. Approximately \$750,000 is available to support five to six awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Health and Air Quality Applied Sciences Team  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to form a Health and Air Quality Applied Sciences Team (HAQAST). This team will apply Earth observations to improve and develop decision-making activities and enable transition and adoption by public- and/or private-sector organization(s) for sustained use in decision making and services to end users in the areas of public health and air quality.

Requested Notices of intent are due April 17, 2020. Proposals are due May 9, 2020. Approximately \$2 million is available to support 12 to 15 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Heliophysics Data Environment Enhancements  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals that encompasses the data environment needs throughout Heliophysics, including Solar, Heliospheric, Magnetosphere, and Ionosphere/Thermosphere/Mesosphere (ITM).

Required Step-1 proposals are due April 24, 2020. Step-2 proposals are due June 17, 2020. Approximately \$500,000 is available to support 5 to 12 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Heliophysics Technology and Instrument Development for Science  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to advance the development of new instruments and technologies and their application to enable investigation of key heliophysics science questions. This is done through incubating innovative concepts and development/maturation of instruments and technologies.



Proposals are due August 26, 2020. Approximately \$4.5 million is available up to 20 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: New Frontiers Data Analysis  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to enhance the scientific return from New Frontiers missions by broadening scientific participation in the analysis and interpretation of data returned by these missions. Other mission and non-mission data sets may be used to supplement these data in a supporting role, but all proposals must require the use of data from at least one New Frontiers mission: New Horizons, Juno, and OSIRIS-REx.

Mandatory Step-1 proposals are due July 9, 2020. Step-2 proposals are due September 17, 2020. Approximately \$2 million is available to support 12 to 18 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Ocean Surface Topography Science Team  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to produce the best possible satellite-derived altimetry data and to utilize the measurements of ocean surface topography for Earth science and applications.

Notices of intent are due September 10, 2020. Proposals are due October 8, 2020. Approximately \$3.5 million is available to support up to 18 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Parker Solar Probe Guest Investigators  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals that focus on analysis of data from the PSP mission in the inner heliosphere. This program is intended to maximize the scientific return from the pioneering mission by providing support for research beyond presently funded investigations. Funded investigators (PIs and Co-Is) of this solicitation will be considered Guest Investigators of PSP for the duration of the award and will be invited to attend and present progress at PSP team meetings.

Required Step-1 proposals are due January 20, 2021. Step-2 proposals are due March 17, 2021. Approximately \$900,000 is available to support six to seven awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Planetary Science and Technology Through Analog Research  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for investigations focused on exploring the relevant environments on Earth in order to develop a sound technical and scientific basis to conduct planetary research on other Solar System bodies. The PSTAR program is a science-driven exploration program that is expected to result in new science and operational/technological capabilities to enable the next generation of planetary exploration.

Step-1 proposals are due August 14, 2020. Step-2 proposals are due October 9, 2020. Approximately \$5 million is available to support 10 to 12 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Solar System Observations  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to support primarily ground-based and limited airborne- and space-based astronomical observations of bodies in our Solar System. Proposals are solicited for observations over the entire range of wavelengths, from the ultraviolet to radio, that contribute to the understanding of the nature and evolution of the Solar System and its individual constituents.

Step-1 proposals are due April 8, 2020. Step-2 proposals are due June 10, 2020. Approximately \$1 million is available to support 8 to 10 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Terrestrial Hydrology  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to use remote sensing to develop a predictive understanding of the role of water in land-atmosphere interactions and to further the scientific basis of water resources management.

Notices of intent are due October 7, 2020. Proposals are due November 18, 2020. Approximately \$3.75 million is available to support up to 10 awards for three years.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Topical Workshops, Symposia, and Conferences  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for events that contribute to Science Mission Directorate (SMD's) science, technology and exploration research goals. Proposal submission requires designation of at least one reviewing division. However, proposals that are relevant to more than one division are welcome.

Proposals are due on a rolling basis until March 29, 2021.

LINKS: [Grants.gov](#), [Solicitation](#)

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ROSES 2020: Yearly Opportunities for Research in Planetary Defense  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals supporting investigations to inventory more than 90 percent of the Near-Earth Objects (NEOs) population larger than 140 meters in size (especially those that support NASA's exploration goals or that may pose an impact threat).

Step-1 proposals are due April 8, 2020. Step-2 proposals are due June 10, 2020. Approximately \$10 million is available to support 15 to 20 awards.

LINKS: [Grants.gov](#), [Solicitation](#)

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Weapons of Mass Destruction-Weapons of Mass Effect Research  
Department of Defense (Defense), Air Force Academy

Notice seeking applications to attract outstanding researchers and scholars who will investigate topics of

interest to the security studies community. Investigations and research will focus on expanding knowledge related to countering weapons of mass destruction and weapons of mass effect (WMD/WME).

White papers and proposals are reviewed and evaluated as they are received and may be submitted at any time.

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

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Habitus

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Defense Sciences Office (DSO)

Notice seeking proposals to create self-sustaining, adaptive, generalizable, and scalable methods for generating causal system models based on local knowledge to aid operational decision making.

Abstracts are due February 28, 2020. Proposals are due April 23, 2020. CE proposals are to be determined. Questions are due March 23, 2020. Multiple awards are anticipated.

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

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NIST Small Business Innovation Research Program Phase I

National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice seeking Phase I research applications that will eventually lead to the commercialization of NIST funded research. Supported research areas include the following: Advanced Communications, Networks and Scientific Data Systems; Advanced Manufacturing and Material Measurements; Cyber-security and Privacy; Fundamental Measurement, Quantum Science and Measurement Dissemination; Health and Biological Systems Measurements; Physical Infrastructure and Resilience; and Exploratory Measurement Science.

Applications are due April 22, 2020. Approximately 12 awards of up to \$100,000 each are available. Applicants must be small businesses, but colleges and universities may collaborate.

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

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Rapid Encapsulation of Pipelines Avoiding Intensive Replacement (REPAIR)

Department of Energy (Energy), Advanced Research Projects Agency Energy (ARPA-E)

Notice seeking applications to develop the suite of technologies required to rehabilitate cast iron, wrought iron, and bare steel natural gas distribution pipes by developing technologies that will enable the automated construction of a new pipe inside the old pipe.

Applications are due April 20, 2020. Approximately \$38.5 million is available for up to 17 awards. Questions are due April 10, 2020.

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

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Defense Innovation Board; Notice of Federal Advisory Committee Meeting

Department of Defense (Defense)

Notice announcing a meeting of the Defense Innovation Board, scheduled to include the following agenda items: a presentation by the Workforce, Behavior, and Culture Subcommittee on workforce issues, to include recommendations for a Chief Digital Engineering and Recruiting Management Officer; a presentation by the Science and Technology Subcommittee on a Biotechnology and Data Strategy for the

Joint Pathology Center, to include presentations from external experts; and updates on projects from the Science and Technology committee.

The meeting will be held March 5, 2020 at 2:00 p.m., CT. Register at the Agency Site to attend a live webstream of the meeting.

LINKS: [Federal Register](#), [Agency Site](#)

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#### Identifying Pipeline Safety Research Gaps

U.S. Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA)

Notice seeking research ideas that will increase the safety and reliability of the Nation's pipelines. Input is sought from a wide set of stakeholders to generate a pool of research ideas for potential future research solicitations. Programmatic areas of interest include: Threat Prevention; Leak Detection; Anomaly Detection/Characterization; Remediation/Repair; Design/Materials; Welding/Joining; Liquified Natural Gas/Underground Gas Storage; and Other. Additional high-interest areas can be targeted within one or more of the above programmatic areas of interest: Drones; Artificial Intelligence/Machine Learning; Safety Management Systems; and Safety Culture.

The notice will remain open indefinitely until next updated. Submit research gap input at the Agency Site link.

LINKS: [Contract Opportunities](#), [Agency Site](#)

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#### Strengthening National Resilience Through Responsible Use of Positioning, Navigation, and Timing Services

Department of Commerce (Commerce), Department of Defense (Defense), Department of Homeland Security (Homeland Security), U.S. Department of Transportation (DOT), (EOP) (Executive Office of the President)

Notice announcing a policy and implementation strategy to ensure that disruption or manipulation of positioning, navigation, and timing (PNT) services does not undermine the reliable and efficient functioning of critical U.S. infrastructure.

LINKS: [Federal Register](#), [Agency Site](#)