

## **UNO FOCUS**

Materials International Space Station Experiment—Flight Facility (MISSE-FF)  
National Aeronautics and Space Administration (NASA)

This call for Materials International Space Station Experiment–Flight Facility (MISSE-FF) experiments solicits materials and device investigations to be conducted aboard the International Space Station (ISS). This call is specifically for NASA experiments that will fly as part of the MISSE-13 mission that is scheduled to fly aboard a launch vehicle with an approximate launch date of April 2020.

NASA proposers are expected to define high-content experiments that explore a broad range of questions, or address a very specific important property, and gather a significant amount of data. To be responsive to this call for MISSE-FF experiments, proposed experiments should have clearly defined scientific objectives and lead to new knowledge within accepted scientific standards. Purely phenomenological approaches with no significant mechanistic basis or likely gain in scientific knowledge are not acceptable.

## **ARTS, HUMANITIES, and INTERNATIONAL**

NEA Literature Fellowships: Prose, FY2020  
National Endowment for the Arts (NEA)

Notice seeking applications for literature fellowships in prose (fiction and creative nonfiction) and poetry, with the goal of completing a project and allowing recipients to set aside time for writing, research, travel, and general career advancement. Applicants apply as individuals.

Applications are due March 6, 2019. Multiple awards of \$25,000 are anticipated.

Limited Submission: Only one application per individual.

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

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Niger Government Accountability and Policy Reform Activity  
United States Agency for International Development (USAID), Senegal USAID-Dakar

Notice seeking applications proposing to build coalitions for reform (demand side) while providing targeted assistance to national institutions willing and able to champion reform (supply side). The demand and supply-side efforts will be bridged via the creation and strengthening of mechanisms and spaces for multi-stakeholder, policy-level dialogue and reform.

Applications are due January 11, 2019. Approximately \$7 million is available to support one award over a three-year period.

Limited Submission: One application per organization

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

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Public Diplomacy Small Grants Program  
Department of State (State), U.S. Mission to Iraq

Notice seeking applications that strengthen ties between the U.S. and Iraq through programming that highlights shared values and promotes bilateral cooperation.

Applications are due September 30, 2019. Approximately \$300,000 is available to support up to 15 awards for up to 12 months.

Limited Submission: Applicants are only allowed to submit one proposal per organization.

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

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Silicon Valley Entrepreneurship Program  
Department of State (State), U.S. Mission to Iraq

Notice seeking applications to support entrepreneurship in Iraq. In cooperation with the U.S. Embassy, this project will bring together Iraqi entrepreneurs, provide them with training and mentorship on how to build a startup company, and culminate in a "Shark Tank" - type event where Iraqi teams will present their startup business concepts to a panel of judges.

Applications are due January 18, 2019. Approximately \$75,000 is available to support one award. Partnership opportunities are encouraged.

Limited Submission: Applicants may not submit more than one proposal.

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

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Belize Travel and Logistics Program for Training Support  
Bureau of International Narcotics and Law Enforcement Affairs (INL), Department of State (State)

Notice seeking applications to collaborate with the International Narcotics and Law Enforcement Affairs (INL) office in Belize to plan and schedule all events, including but not limited to travel and logistic services for trainings, meetings, conferences, site visits and workshops in support of INL programs carried out by the INL Office in Belize.

Deadline for questions is January 11, 2019. Applications are due February 8, 2019. Approximately \$700,000 is available for one award to support a project lasting up to two years.

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

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Preservation Assistance Grants for Smaller Institutions  
National Endowment for the Humanities (NEH), Division of Preservation and Access

Notice seeking applications to preserve and care for significant humanities collections to include, but not limited to, special collections of books and journals, archives and manuscripts, prints and photographs, textiles, historical objects, etc. Professional development, recent graduate and graduate-level opportunities available.

Applications are due January 31, 2019. Approximately \$10,000 per award is available for multiple awards to support projects lasting up to 18 months.

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

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Civil Nuclear Trade Advisory Committee  
Department of Commerce (Commerce), International Trade Administration (ITA)

Notice announcing a conference call meeting of the Civil Nuclear Trade Advisory Committee to provide consensus advice from U.S. industry to the U.S. Government regarding the development and administration of programs to expand U.S. exports of civil nuclear goods and services in accordance with applicable U.S. laws and regulations, including advice on how U.S. civil nuclear goods and services export policies, programs, and activities affect the U.S. civil nuclear industry's competitiveness and ability to participate in the international market. Agenda items include discussion on activities related to the U.S. Department of Commerce's Civil Nuclear Trade Initiative.

Registration for the meeting is due by December 17, 2018. The meeting will be held December 20, 2018, from 1:00 p.m. to 4:00 p.m. ET

LINKS: [Federal Register](#)

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Resilient Governance in Niger (RGN)

United States Agency for International Development (USAID), Senegal USAID-Dakar

Notice requesting comments on a potential funding announcement focused on supporting locally-driven, politically feasible approaches in Niger to enhance substantive, inclusive, and effective citizen participation in local governance. The project will also seek to improve performance of sub-national state institutions in their areas of core responsibility as well as planning, budgeting, prioritizing, and administrative capacity of municipal administrations and/or commune governments to manage and mobilize financial and human resources for locally determined service and infrastructure needs.

Responses are due December 24, 2018 at 5:00 p.m. GMT

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

## **EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT**

National Sheriffs Institute

Department of Justice (Justice), National Institute of Corrections (NIC)

Notice seeking applications to plan and deliver pre and post programming activities to support the administrative backend of the FY 2019 National Sheriffs Institute, to include but not limited to, recruiting and selecting program participants, staffing training instructors, and providing onsite program management.

Applications are due February 5, 2019. Approximately \$77,000 is available for one award to support a project lasting up to one year (possible supplemental funding available through FY 2021).

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

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United States Travel and Tourism Advisory Board

Department of Commerce (Commerce), International Trade Administration (ITA)

Notice announcing a conference call meeting of the United States Travel and Tourism Advisory Board, which advises the Secretary of Commerce on matters relating to the U.S. travel and tourism industry. The purpose of the meeting is for Board members to consider its recommendation on a new international visitor spending and arrivals goal.

Registration for the meeting is due by Wednesday, December 12, 2018. The meeting will be held December 19, 2018, from 2:00 p.m.-3:00 p.m. ET

LINKS: [Federal Register](https://www.federalregister.gov), [Agency Site](#)

## **HEALTH and MENTAL HEALTH**

Appendix C: Countermeasures for Mitigation of Spaceflight Associated Neuro-ocular Syndrome

National Aeronautics and Space Administration (NASA)

Notice seeking proposals for ground-based evaluation of countermeasures that prevent or mitigate the signs and symptoms associated with Spaceflight Associated Neuro-ocular Syndrome (SANS) and SANS-related behavioral outcomes including cognition, sleep, and mood, as well as investigation of potential mechanisms by which SANS occurs in this ground-based analog.

Proposals are due January 4, 2019. Approximately three awards of \$750,000 are available.

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

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Career Pathway to Independence in Blood Science Award for Physician Scientists (K99-R00 Independent Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Heart, Lung, and Blood Institute (NHLBI)

Notice seeking applications to increase and maintain a strong cohort of new and talented, NHLBI supported, independent investigators in blood science. This program is designed to facilitate a timely transition of outstanding blood science researchers with a clinical doctorate degree from mentored research positions to independent, tenure-track or equivalent faculty positions.

Applications are due March 1, 2019 and March 2, 2020. AIDS applications are due May 8, 2019 and May 8, 2020. Approximately \$1.14 million is available to support up to five awards in FY 2020.

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

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

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U.S.-Brazil Collaborative Biomedical Research Program (R01 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), Office of AIDS Research

Notice seeking applications for collaborative biomedical research between the United States and Brazil under the U.S.-Brazil Biomedical Collaborative Research Program. Research areas supported under this program include allergy, immunology, and infectious diseases, including HIV/AIDS and its co-morbidities; cancer; mother-to-child transmission of HIV and other congenital infections, early infant diagnosis and treatment; HIV/AIDS in relation to mental health; and neurological disorders and stroke.

Optional letters of intent are due February 8, 2019. Applications are due March 8, 2019. Approximately \$2.75 million is available to support 8 to 10 awards in FY 2020.

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

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Field Initiated Projects Program (Research and Development)

Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking applications to research or develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities.

Applications are due February 5, 2019. Approximately \$1.6 million is available for eight awards to support projects lasting up to three years.

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

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## Weekly Funding Opportunities December 10, 2018

Improving Detection and Management of Glaucoma and Other Eye Diseases Among High Risk Populations  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to identify and implement innovative strategies to better engage, detect, and manage glaucoma and other eye diseases among vulnerable populations, in community-based settings, for replication and scaling in the United States.

Requested letters of intent are due January 11, 2019. Applications are due February 11, 2019. Approximately \$11 million is available for four awards to support projects lasting up to five years.

Limited Submission: Only one application per institution is allowed for each Component.

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

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Research Approaches to Improve the Care and Outcomes of People Living with Spina Bifida  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to identify health care and clinic practices that are associated with the best outcomes for people living with spina bifida (SB) and to communicate the adoption of best practices by SB clinics including providing needed educational/informational resources for the SB patient and provider communities, health care professionals, families, and educators.

Requested letters of intent are due January 14, 2019. Applications are due February 13, 2019. Approximately \$600,000 is available for Component A (one award); \$68,000 each is available for Component B (14 awards); and \$20,500 each is available for Component C (nine awards).

Limited Submission: Only one application per institution is allowed for each component.

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

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The Muscular Dystrophy Surveillance, Tracking, and Research Network (MD STARnet)  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to research the public health and clinical impacts of living with muscular dystrophy by conducting longitudinal, population-based surveillance and research of eligible MDs (DMD, BMD, DM, FSHD, LGMD, CMD, EDMD, OPMD, and Distal MD) followed by conducting longitudinal follow-up and research, analyzing data, and publishing and disseminating the results.

Applications are due February 13, 2019. Approximately \$16 million is available for multiple awards, divided by components A-E, to support projects lasting up to five years.

Limited Submission: Only one application per institution per component is allowed.

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

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Meeting of the Presidential Advisory Council on HIV-AIDS  
Department of Health and Human Services (HHS)

Notice announcing a meeting of the Presidential Advisory Council on HIV/AIDS to discuss recommendations regarding programs, policies, and research to promote effective, prevention, treatment and cure of HIV disease and AIDS.

The meeting will be held March 14, 2019 from 1:00 p.m. to 5:00 p.m. ET and March 15, 2019 from 9:00 a.m. to 1:00 p.m. ET at 200 Independence Avenue SW, Washington, DC 20201 in the Penthouse (eighth floor), Room 800.

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

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Merchant Mariner Medical Advisory Committee; Vacancies  
(Coast Guard), Department of Homeland Security (Homeland Security)

Notice seeking nominations for new members of the Merchant Mariner Medical Advisory Committee, which provides advice and recommendations to the Secretary on matters related to medical certification determinations for issuance of licenses, certificates of registry, and merchant mariners' documents; medical standards and guidelines for the physical qualifications of operators of commercial vessels; medical examiner education; and medical research. Applicants must be professional merchant mariners or be a health-care professional with particular experience regarding the medical examinations of merchant mariners or occupational medicine.

Applications are due February 4, 2019.

LINKS: [Federal Register](#)

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Solicitation of Nominations for Membership to Serve on the Advisory Committee on Heritable Disorders in Newborns and Children  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking candidates to serve on the Advisory Committee on Heritable Disorders in Newborns and Children, which provides advice, recommendations, and technical information about aspects of heritable disorders and newborn and childhood screening to the Secretary of HHS. Nominees sought are medical, technical, or scientific professionals with special expertise in the field of heritable disorders or in providing screening, counseling, testing, or specialty services for newborns and children with, or at risk for having, heritable disorders; individuals who have expertise in ethics (e.g., bioethics) and infectious diseases and who have worked and published material in the area of newborn screening; members of the public having special expertise about, or concern with, heritable disorders; and/or representatives from such federal agencies, public health constituencies, and medical professional societies.

Nominations are expected by January 4, 2019.

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

## **SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS**

2019 Pacific Islands Region Marine Turtle Management and Conservation Program  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for conservation, protection, or management actions supporting recovery of Endangered Species Act listed sea turtle species occurring within the Pacific Islands Region (PIR) or of aggregations (or species) with linkages to the PIR. For the FY2019 funding competition, we are soliciting projects located in Hawai'i, and, for internationally-shared sea turtle populations, projects located in Fiji (for, Central South Pacific Green Turtle Distinct Population Segment), Japan (for, North Pacific Loggerhead Turtle Distinct Population Segment), and the Western Pacific (for nesting or foraging habitats of western Pacific leatherback turtles).

Proposals are due February 6, 2019. Approximately five to eight awards are anticipated, with a per-award ceiling of \$85,000 for up to three years.

LINKS: [Grants.gov](#)

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Cyber and SIGINT Collection, Processing Techniques and Enablers  
Department of Defense (Defense)

Notice seeking white papers for innovative research to further increase AFRL's knowledge and understanding of the broad range of capabilities required to (1) research and develop advanced Cyber and SIGnals INTelligence (SIGINT) communication collection techniques and support the development of systems that perform these

operations, (2) to research and develop technologies to intercept, acquire, access, exploit, process and locate both covert and overt (network) data and signals in the cyberspace domain in support of the development of real-time processing technology to improve the extraction, identification, analysis and reporting of tactical information and (3) to research and develop unique and innovative techniques and algorithms that support the identification, collection, processing, exploitation, geolocation and/or manipulation of electronic communication signals in a moderate to dense co-channel environment.

Required white papers are due January 29, 2019, January 28, 2020, and January 26, 2021. Approximately \$99.9 million is available to support multiple awards for three years.

LINKS: [FBO](#)

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#### EPSCoR Research Infrastructure Improvement Track 4: EPSCoR Research Fellows National Science Foundation (NSF)

Notice seeking proposals for sustainable improvements in research infrastructure, Research and Development (R&D) capacity, and hence, R&D competitiveness. Provides funding for extended collaborative visits to the nation's premier private, governmental, or academic research centers. Those submitting proposals must either hold a non-tenured faculty appointment at an institution of higher education or an early-career career-track appointment at an eligible non-degree-granting institution.

Proposals are due March 12, 2019. Multiple awards are anticipated with a per-award ceiling of \$600,000. Application eligibility limited by geography and current NSF funding. See solicitation for details.

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

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#### Fiscal Year 2020 National Sea Grant College Program Dean John A. Knauss Marine Policy Fellowship National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals from graduate students to increase the understanding, assessment, development, management, utilization, and conservation of the Nation's ocean, coastal, and Great Lakes resources through assistance to promote a strong educational base, responsive research and training activities, broad and prompt dissemination of knowledge and techniques, and multidisciplinary approaches to environmental problems.

Proposals are due February 22, 2019. A minimum of 35 awards of \$71,500 are anticipated.

LINKS: [Federal Register](#)

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#### Electronics Resurgence Initiative: Defense Applications (ERI:DA) Proposers Day Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice announcing a Proposers Day to gather leaders within the defense industrial base (DIB) to provide information on potential ERI defense applications, promote additional discussion on this topic, address questions from potential DIB proposers, and provide an opportunity for potential proposers to share their capabilities and ideas for teaming arrangements.

The event will take place on December 19, 2018 from 9:00 a.m. to 4:00 p.m. ET, at the Hilton Arlington, 950 North Stafford Street, Arlington, VA. Registrations are due December 17, 2018.

Participants must register through the registration website: <http://www.cvent.com/d/nbqvx9>.

LINKS: [FBO](#)

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#### Deep Learning Intelligence Advanced Research Projects Activity (IARPA), Director of National Intelligence (DNI)

Notice seeking information on research efforts in the area of machine learning with a particular focus on deep

learning.

Responses to this RFI are due no later than 5:00 p.m., Eastern Time, on January 17, 2019. All submissions must be electronically submitted to [dni-iarpa-rfi-19-04@iarpa.gov](mailto:dni-iarpa-rfi-19-04@iarpa.gov) as a PDF document.

LINKS: [FBO](#)

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Appendix B: Solicitation of Proposals for Flight and Ground Space Biology Research  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to develop research to increase NASA's understanding of how living systems acclimate to spaceflight to support human space exploration within four categories: 1) Microbiology; 2) Plant Biology; 3) Animal Biology (vertebrate and invertebrate) in support of Human Space Exploration; and 4) Studies designed to compare results and validity of microgravity "simulators" in parallel with flight and ground-based studies.

Required Step-1 proposals are due January 7, 2019. Approximately \$1.2 million is available for 15 awards to support projects lasting up to three years.

LINKS: [Grants.gov](#)

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Future of Work at the Human-Technology Frontier: Core Research  
Directorate for Engineering (ENG), National Science Foundation (NSF), Office of Emerging Frontiers and Multidisciplinary Activities (EFMA)

Notice seeking applications to advance cognitive and physical capabilities in the context of human-technology interactions and workplace/service occupations within the context of two themes: 1) Foundations for Augmenting Human Cognition; and 2) Embodied Intelligent Cognitive Assistants as a part of NSF's Big Ideas for Future Investments Initiative.

Applications are due March 6, 2019. Up to \$1.5 million is available for multiple small projects lasting between three to five years. Up to \$3 million is available for multiple large project lasting between three to five years.

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

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Machine-Assisted Analytic Rapid-Repository System (MARS) Broad Agency Announcement  
Department of Defense (Defense), Defense Intelligence Agency (DIA)

Notice seeking applications to support efforts to enhance the Modernized Integrated Database, which contains a global foundational intelligence dataset related to foreign military capabilities, infrastructure and materiel. Funds support efforts to advance the technology to take advantage of rapidly changing technology such as machine learning, automation, and AI. Technical Capability Areas include: Intelligence Information Environment; Tracking and Monitoring Moving Objects; Data Ingestion and Exploitation; and Data Security and Data Discovery.

Applications are accepted any time until November 9, 2019. Multiple awards are anticipated.

LINKS: [FBO](#)

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NOAA Great Lakes Habitat Restoration Regional Partnership Grants  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications to support efforts to protect and restore habitats to sustain healthy populations of native fish species in the eight U.S. Great Lakes states (New York, Pennsylvania, Ohio, Michigan, Indiana, Illinois, Wisconsin, and Minnesota). Funds support planning and/or on-the-ground restoration activities, including feasibility, engineering and design activities. Cost sharing is suggested but not required.

Applications are due February 4, 2019. Approximately \$40 million is available to support up to five awards. NOAA will not accept proposals with a federal funding request of less than \$1 million or more than \$40 million over three years.

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

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## ROSES 2018: Advanced Information Systems Technology National Aeronautics and Space Administration (NASA)

Notice seeking applications to develop and mature cutting-edge tools and models to support the Analytic Center Framework (known to harmonize tools, data, and computing environments) and New Observing Strategy (planning, evaluating, implementing, and operating a dynamic set of observing assets consisting of various instruments located at different vantage points) to create a more complete picture of a natural phenomenon or physical process. ROSES omnibus serves as parent funding opportunity-- filled with many individual programs-- each program having its own due date and focus area.

This program strongly encourages the submission of Notices of Intent, which are due via NSPIRES by January 10, 2019. Applications are due March 12, 2019. Approximately Awards range from under \$100K per year for focused, limited efforts (e.g., data analysis) to more than \$1M per year for extensive activities (e.g., development of hardware for science experiments and/or flight).

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

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## Space Electronic Technology (SET) Advance Memory for Space Applications Department of Defense (Defense)

Notice seeking applications to improve the density, performance and power consumption of future space-system memory by adapting (e.g., hardening) advanced state-of- the-art (SOA) technologies.

Proposals are due January 7, 2019. Approximately \$47 million is available for multiple awards to support staggered projects lasting between 4 months to 5 years.

LINKS: [FBO](#)