Engineering Research Transforming Our World

Research Funding Opportunities

**Organization: ONR Solicitation Name: (Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology Deadline: Open**

**Summary:** This announcement will remain open for approximately one (1) year from the date of publication, or until replaced by a successor BAA. Proposals may be submitted at any time during this period. This announcement replaces N00014-21-S-B001 dated 08 October 2020. Submission of Late Proposals (Applicable to White Papers and Full Proposals) - The Government reserves the right not to review proposals submitted after 30 September 2022, or after a successor to this Long Range BAA is issued, whichever occurs first. Technology areas that ONR is pursuing are provided at the ONR website at https://www.onr.navy.mil/our-research/technology-areas. Click on the technology area of interest for a brief description of that research area being pursued by ONR. Potential offerors are urged to check the above website throughout the year.

**Link:** https://www.onr.navy.mil/en/work-with-us/funding-opportunities/announcements

**Organization: DARPA Solicitation Name: Young Faculty Award Proposal Deadline: Ex. Summary Nov. 4, 2021 and Full Jan. 25, 2022**

**Summary:** DARPA is soliciting innovative research proposals in the areas of interest to DARPA’s six technical offices: Biological Technologies Office (BTO), Defense Sciences Office (DSO), Information Innovation Office (I2O), Microsystems Technology Office (MTO), Strategic Technology Office (STO), and Tactical Technology Office (TTO). Further detail regarding the specific technical areas of interest can be found under Section I.D “Topic Areas (TAs).” Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Topic Areas: 1) Modulation of Brown Adipose Tissue for Arctic Resilience, 2) Engineered Cellular Symbiosis, 3) Hierarchical Control of Biomaterial Structure, Function, and Organization for Injury Repair, 4) Metabolic Engineering Enabling Rare Chemistries, 5) Strongly Correlated Material Systems and Sensor 6) Benchmarking Power Requirements for Electromagnetic Non-reciprocity, 7) Autonomous Manufacturing and Repair for Austere Environments, 8) Neuromorphic Metamaterials, 9) Computational Theory of Informational Control, 10) Threat Modeling of Influence Platform Ecosystem, 11) Patch Process Leapfrogging, 12) Computational Theory of Insecurity, 13) Effective Assurance for 5G Technologies, 14) Adaptive conventions for Human-Machine Partnership, 15) Embodied Physical Intelligence, 16) Physics of charge Trapping in Bulk Dielectrics, 17...

Link: https://www.grants.gov/web/grants/view-opportunity.html?oppId=335976

Organization: NASA
Solicitation Name: Space and Earth Opportunities
Deadline: May 13, 2022
Summary: The NASA SMD achieves its strategic objectives in part by supporting a wide variety of research and technology development through this ROSES NRA including: • flight-based research and technology development projects in the solar system; • flight-based research and technology development projects in Earth orbit; • suborbital-class research and technology development projects (on aircraft, balloons, sounding rockets, various types of cube- and small satellites, and commercial suborbital reusable launch vehicles); and ROSES-21 SoS-2 • surface-based research and technology development activities that support flight missions. These surface-based investigations include, but are not limited to: • theory, modeling, and analysis of SMD science data including data from SMD’s international and/or interagency partners; • development of concepts, techniques, and advanced technologies suitable for future SMD space missions; • development of methods for laboratory analysis of both extraterrestrial samples returned by spacecraft and terrestrial samples that support or otherwise help verify observations from missions; • determination of atomic and composition parameters needed to analyze space data and returned samples from the Earth or space; • Earth surface observations and field campaigns that support SMD science missions; • development of integrated Earth system models; • development of systems for applying Earth science research data to societal needs; and • development of applied information systems applicable to SMD objectives and data.


Reminder
The annual seminar is presented by Dr. M.S. (Peg) AtKisson, president of AtKisson Training Group, LLC. The seminar will be held virtually over 4 days, 2 hours per day, on October 29, November 5, 12, and 19 from 10:00am – noon (Mountain). Online registration is required and now open at http://research.usu.edu/rd/faculty-gw-seminar. There is no cost to attend the seminar. Please remember that seminar attendance is an eligibility requirement for the Office of Research’s seed grant program. Faculty must attend all 4 virtual sessions to meet this requirement.