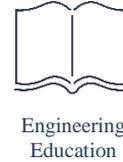
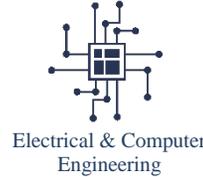


June 8, 2018

Engineering Research Transforming Our World



NSF (2)
NASA (1)
DOD (2)
USDA (1)

Research Funding Opportunities

Organization: NSF RFP/Letter Name: **Broadening Participation in Engineering PD-16-7680 Due Date: February 4, 2019 Summary:** In FY 2016, aligned with NSF-wide [INCLUDES](#), BPE is interested in funding projects that bring together multiple groups (e.g., school districts, community colleges, engineering schools, industry, philanthropy, government, etc.) and offer the greatest return on investment by producing outcomes that are scalable, sustainable, and applicable to various contexts, settings, and demographics within the engineering enterprise. **Link:** https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504870

Organization: NSF RFP/Letter Name: **Cybermanufacturing Systems PD-16-018Y Due Date: Proposals accepted anytime Summary:** Current manufacturing software applications are predominantly large, manufacturer-centric, general-purpose programs with the universal applicability needed to justify their development, marketing and acquisition costs. They usually have broad capabilities, but are cumbersome to learn and often require expert intervention. There is an opportunity for researchers to pursue research and educational efforts to accelerate the creation of an interoperating, cross-process manufacturing service layer that enables the rapid, bottom-up transformation of access to manufacturing services. Such a service layer can allow creative entrepreneurs and companies to both furnish and access manufacturing apps that span the full spectrum from ideation to physical realization, giving rise to an era of “cybermanufacturing.” Of particular interest is the exploration of the tradeoffs between generality and tractability in algorithmic representations of manufacturing knowledge.

Link: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505291

Organization: NASA RFP/Letter Name: **Dual Use Technology Development Cooperative Agreement Notice (CAN) 2018 80SSC017Z0001 Due Date: September 30, 2018 Summary:** Background: John C. Stennis Space Center (SSC) is the primary NASA rocket propulsion testing center. SSC tests items ranging from multi-engine stages to individual components of rocket engines. Propulsion test customers include NASA, the Department of Defense and the commercial space launch industry. SSC manages a large federal city that is home to over forty federal, state, university and industry entities. SSC manages a restricted airspace that is available for development, testing and operation of unmanned aerial vehicles. SSC engineering laboratories design and test electronics, sensors, algorithms and mechanical components. Purpose: This CAN supports identification and implementation of cost-sharing partnerships to develop technology to

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USDA (1)

meet a specific NASA need at SSC. Scope: . **Link:**

<https://nspires.nasaprs.com/external/solicitations/summary/init.do?solId=%7B06739B06-DF95-5339-CDCF-3D5B039E8150%7D&path=open>

Organization: DOD RFP/Letter Name: Army Research Laboratory Broad Agency Announcement for Basic and Applied Scientific Research (ARL) W911NF-17-S-0003 Due Date: March 31, 2022 Summary: The ARL BAA identifies topics of interest to the ARL Directorates (Computational and Information Sciences Directorate, Human Research and Engineering Directorate, Sensors and Electron Devices Directorate, Survivability/Lethality Analysis Directorate, Vehicle and Technology Directorate, and Weapons and Materials Research Directorate). The Directorates focus on executing in-house research programs, with a significant emphasis on collaborative research with other organizations in an Open Campus setting (Open Campus opportunities are described in detail at <http://www.arl.army.mil/www/default.cfm?page=2357>). The Directorates fund a modest amount of extramural research in certain specific areas, and those areas are described in this BAA. **Link:** <https://www.grants.gov/web/grants/view-opportunity.html?oppId=292896>

Organization: DOD RFP/Letter Name: Armament Technology Broad Agency Announcement (AFRL) FA8651-17-S-0003 Due Date: March 11, 2022 Summary: For purposes of this announcement, research is defined to be scientific study and experimentation directed at increasing knowledge and understanding in relation to long term national security needs. It is an enhancement to related exploratory and advanced development programs. A program should be designed to demonstrate well-defined and substantive research results, should not be overly ambitious or open-ended, and should not be a paper study that inherently requires a substantial testing effort. **Link:** <https://www.grants.gov/web/grants/view-opportunity.html?oppId=292442>

Organization: USDA RFP/Letter Name: Agriculture and Food Research Initiative – Foundational and Applied Science (NIFA) USDA-NIFA-AFRI-006609 Due Date: September 30, 2019 Summary: The AFRI Foundational and Applied Science Program supports grants in the six AFRI priority areas 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. Research-only, extension-only, and integrated research, education and/or extension projects are solicited in this Request for Applications (RFA). **Link:** <https://nifa.usda.gov/funding-opportunity/agriculture-and-food-research-initiative-foundational-applied-science-program>

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