Funding Opportunities
(Link to pdf versions of the Newsletter –
https://tees.tamu.edu/researchsupport/newsletter/)

Limited Submissions
If you would like to receive all notices of limited submission opportunities, please email shelly.martin@tamu.edu. Note that if you are on this list, you will receive any and all announcements, whether or not they apply to you. All limited submission opportunities are also posted on the VPR’s site.

Limited Submission Keck Foundation Keck Research Program – Email of Intent Due December 9, 2019; Internal Proposal Due December 16, 2019
Limited Submission Agilent Early Career Professor Award – Email of Intent Due January 3, 2020; Internal Proposal Due January 7, 2020
Limited Submission The David and Lucile Packard Foundation The Packard Fellowships for Science and Engineering – Email of Intent Due January 29, 2020; Internal Proposal Due February 5, 2020

The David and Lucile Packard Foundation
Limited Submission The Packard Fellowships for Science and Engineering (link) – Nominations Due to the Foundation on March 15, 2020 (Pending 2020 Guidelines) – 20 Fellows will receive individual grants of $875,000, distributed over five years.
**DOD**

**New** DARPA Detect It with Gene Editing Technologies (DIGET) [link] – Proposal Due January 7, 2020; Full Due February 25, 2020 – Multiple awards are possible. The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.

**DOD Long-Term Opportunities**

- Air Force Broad Agency Announcement (BAA) Air Superiority Technology [link] – White papers may be submitted anytime between now and October 31, 2024. Note there is no funding associated with this Basic Open BAA. All funding is subject to change due to Government discretion and availability. Each CALL will have funding profiles specific to that effort. However, similarly, all offerors should be aware that due to unanticipated budget fluctuations, funding in any or all areas may change with little or no notice.
- DARPA Polyplexus Pilot 3 [link] – BAA Closes July 2, 2020; Polyplexus Pilot Topic Opportunity Notices will be released on [https://beta.sam.gov](https://beta.sam.gov) – Approximately 20 awards at the estimated $100,000 level are anticipated throughout the duration of this Broad Agency Announcement (BAA); however, the level of funding for individual awards has not been predetermined and will depend on the scope and quality of the proposals received, as well as the availability of funds. Individual Polyplexus Pilot Topic Opportunity Notices may provide additional guidance on award levels.

**DOE**

- HPC Energy Innovation (with the themes of: Manufacturing, Materials, and Mobility) [link] – Concept Paper Due December 10, 2019; Full Due End of February 2020 – Up to $4 million will be budgeted for this program to support manufacturers in improving energy efficiency, increasing productivity, and accelerating manufacturing innovation.

**DOT**

- Mobility for All Pilot Program Grants [link] – Due January 06, 2020 – Section 3006(b) of the FAST Act (Pub. L. 114–94) authorizes $3,500,000 in FY 2020 for grants under the Mobility for All pilot program. FTA may cap the amount a single recipient or State may receive as part of the selection process.

**EPA**

- Global Nuclear Threat Reduction Activities [link] – Due January 31, 2020 – Multiple awards will be granted, with the maximum amount per award determined by the number of discrete projects funded. ISN/CTR prefers projects that cost less than $250,000, though awards may involve multiple projects that cumulatively exceed $250,000. CTR will prioritize proposals that efficiently meet programmatic goals at the lowest technically acceptable cost.
- FY Global Biosecurity Engagement Activities [link] – Due January 31, 2020 – ISN/CTR prefers projects that cost less than $300,000 though awards may involve multiple projects that cumulatively exceed $500,000. ISN/CTR will prioritize proposals that efficiently meet NOFO and programmatic goals at the lowest technically acceptable cost.

**NASA**
**New ROSES-19 Amendment 55: Update to DRAFT text for E.5 AISR: Autonomous Robotics Research for Ocean Worlds (link)** – The time period for public comment has been extended to December 10, 2020 to allow for comments on the Testbed documentation; no other changes to the schedule are expected. Comments on the draft text are to be provided via email to cmercer@nasa.gov. – The Applied Information Systems Research (AISR) program that seeks innovative ideas for applying advanced information and related technologies to increase life cycle effectiveness and efficiency of SMD programs. This DRAFT for community comment is for an instance called Autonomous Robotics Research for Ocean Worlds (ARROW) to develop autonomy software systems to significantly increase the robustness and productivity of future Ocean Worlds lander missions.

**New Advancing Collaborative Connections for Earth System Science (link)** – NOI Due December 12, 2019; Full Due January 30, 2020 – Expected total program budget for new awards: ~$5M per year.

**New HERO Appendix C: Topics in Human Health Countermeasures, Behavioral Performance, and Space Radiation (link)** – Step 1 Due January 3, 2020; Step 2 Due April 6, 2020 – The selected proposals are expected to be funded as research grants, cooperative agreements, or contracts in one-year increments with funding allocations to participating investigators based on the submitted budget, available funds, and project review.

**New HERO Appendix D: NASA Human Research Program Omnibus Opportunity (link)** – Step 1 Due January 3, 2020; Step 2 Due April 6, 2020 – Each selected proposal is expected to be funded as a grant lasting no more than one year. The mechanism for funding each successful proposal will be a single grant, with funding allocations to participating investigators based on the submitted budget and available funds. NASA awards for this Omnibus opportunity can cost no more than $150,000 per award.

**NIH**

**Perception and Cognition Research to Inform Cancer Image Interpretation (R01 Clinical Trial Optional) (link)** – Standard Due Dates: February 5, June 5, October 5 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Perception and Cognition Research to Inform Cancer Image Interpretation (R21 Clinical Trial Optional) (link)** – LOI Due 30 Days Prior to Application; Standard Due Dates: February 16, June 16, October 16 - The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

**NSF**

**New National Robotics Initiative 2.0: Ubiquitous Collaborative Robots (NRI-2.0) (link)** – Submission Window: February 12, 2020 - February 26, 2020 – Foundational projects will range from $250,000 to $750,000 in total costs for up to three years. Integrative projects will range from $250,000 to $1,500,000 in total costs for up to four years. Please refer to Section III for agency-specific budget criteria.

**New EarthCube: Developing a Community-Driven Data and Knowledge Environment for the Geosciences (link)** – Full Due March 12, 2020 (Science-Enabling Data Capabilities and
Pilots) and Full Target Date: March 12, 2020 (EarthCube Research Coordination Networks) – Estimated Number of Awards: 6 to 12. The number of awards will be determined based on the results of the merit review process and availability of funds. Anticipated Funding Amount: $5,000,000 to $10,000,000.

**New EHR Core Research (ECR): Building Capacity in STEM Education Research** ([link](#)) – Full Due February 28, 2020 – NSF expects to make 26 standard or continuing grant awards. The ECR: BCSER competition anticipates having approximately $12,000,000 for new awards in FY 2020, subject to availability of funds, as follows: Individual Investigator Development in STEM Education Research: Up to 16 awards. The maximum award amount is $350,000 for two years; Institutes in Research Methods: Up to five awards. The maximum award amount for is $1,000,000 for three years. The typical award amount for Conferences is $25,000 to $100,000.

**Addressing Systems Challenges through Engineering Teams (ASCENT)** ([link](#)) – LOI Due January 7, 2020; Full Due February 19, 2020 – $6,000,000 to $6,500,000; Estimated program budget, number of awards and average award size/duration are subject to the availability of funds.

**Directorate for Engineering – UKRI Engineering and Physical Sciences Research Council Lead Agency Opportunity (ENG-EPSRC)** ([link](#)) – Full Proposals Accepted Anytime (A Research Concept Outline (RCO) must be submitted to ENGUKRI@nsf.gov at least 60 days prior to the submission of a full proposal. A proposal that is submitted without a previously approved RCO will be returned without review [RWR].) – Estimated Number of Awards: 5 to 10; Anticipated Funding Amount: $6,000,000

**National Artificial Intelligence (AI) Research Institutes: Accelerating Research, Transforming Society, and Growing the American Workforce** ([link](#)) – Full Due January 28, 2020 for Institute proposals in one of the six specified themes; Full Due January 30, 2020 for Planning proposals – NSF plans to make 1-6 Institute Awards and approximately 8 Planning Grants. Anticipated Funding Amount: $24,000,000 to $124,000,000.

**NSF/CASIS Collaboration on Transport Phenomena Research on the International Space Station (ISS) to Benefit Life on Earth** ([link](#)) – Submission Window: December 9, 2019 - March 2, 2020. Final Deadline for Submitting the Feasibility Review Form to CASIS: January 10, 2020. – NSF Funding (total) available under this solicitation is up to $3 million to be distributed in FY 2020. Budget requests may be for up to $400,000 total, direct and indirect costs, and up to four years in duration. The award size and duration should be consistent with the project scope.

**NSF/CASIS Collaboration on Tissue Engineering and Mechanobiology on the International Space Station (ISS) to Benefit Life on Earth** ([link](#)) – Submission Window: December 9, 2019 - March 2, 2020. Final Deadline for Submitting the Feasibility Review Form to CASIS: January 10, 2020. – NSF Funding (total) available under this solicitation is up to $2.0 million to be distributed in FY 2020. Budget requests may be for up to $400,000 total, direct and indirect costs, and up to three years in duration. The award size and duration should be consistent with the project scope. Collaborative proposals from multiple organizations are accepted, according to standard NSF procedures. Proposals with budgets significantly outside of the guidelines should be discussed with the NSF Program Director prior to submission, or the proposal may be returned without review.

**USGS**
**Requests for Information/Notices of Intent**

**2020 Water Use Data and Research Program** ([link](#)) – Due January 30, 2020 at 3pm CST. Applications are restricted to a minimum federal funding level of $24,000 and a maximum federal funding level of $125,000 for work to improve the availability, quality, compatibility, and transfer of water use data that is collected and/or estimated by States.

**Request for Information: Building Technologies: Lighting R&D Opportunities** ([link](#)) – Responses Due December 19, 2019

**Student/Postdoctoral Opportunities**

**AFCEA ROTC Scholarships** ([link](#)) – Deadline: April 10, 2020 – Scholarship amount between $2,000 and $3,000 sponsored by the Armed Forces Communications and Electronics Association (AFCEA) Educational Foundation.

**Junior Faculty Opportunities**

Young Investigator Programs
[http://tees.tamu.edu/researchsupport/young-investigator-programs/](http://tees.tamu.edu/researchsupport/young-investigator-programs/)

Young Investigator Programs are for junior faculty who are untenured, Assistant Professors. Resources are available including CAREER/YIP workshops and seminars, proposal assistance, writing resources, and junior faculty targeted funding opportunities.

**Junior Faculty Targeted Funding Opportunities** – This spreadsheet contains numerous funding opportunities for junior faculty in Engineering.

**Young Investigator Awards** – This spreadsheet lists early career and young investigator awards (general list).

**Opportunity for Assistant Professors**

There are funds available to help Assistant Professors in visiting funding agency program officers at DoD, DoE, NSF, DARPA, etc., when they are ready. Readiness will be assessed by Dr. Z.J. Pei based on a justification statement submitted by the faculty member, including expertise, experience, and research ideas. TEES will pay up to half of the cost of travel to Washington, D.C., for an approved Assistant Professor. Please contact Dr. Z.J. Pei, TEES Director of Research Development, at zipei@tamu.edu for more information.

**Funding Opportunities**

*Future Funding Opportunities will be posted here.*

**Seminars/Events/Workshops**
Junior Faculty Proposal Writing Academy: NSF Broader Impacts & Education Plan Seminar & Expo
February 5, 2020
1:00 p.m. - 5:00 p.m.
ILSB Auditorium and Lobby
Information and Registration to come

2020 NSF ENG CAREER Proposal Writing Workshop
March 31 - April 2, 2020
Location: Arlington, VA
Information – Application Deadline is January 6, 2020.

Junior Faculty Proposal Writing Academy
The TEES Research Development group and the Division of Research’s Research Development Services office have partnered to create the Junior Faculty Proposal Writing Academy. For more information, please visit http://jfa.tamu.edu/.

Additional Resources
Facilities (Updated: February 2019) – A list of facilities for each department in the College of Engineering is available on the TEES Research Development website. Faculty can use this list in creating facilities statements for multi-PI proposals.
NSF Broader Impacts Expo List of Resources – A list of the organizations and resource representatives who participated in the NSF Broader Impacts Seminar and Expo.
Funding Opportunities Spreadsheet – A spreadsheet of funding opportunities from past digests.
Education/Broader Impacts – A list of resources available through EASA, College of Engineering, Texas A&M, and national resources.

Proposers Days/Webinars
(All times Central unless otherwise noted)

ASEE Learning: Promising Approaches to Increasing URM Engagement and Retention Webinar
December 10, 2019
1:00 p.m. ET (12:00 p.m. CT)
Information
Registration

Hanover Research Webinar: Keys to Proposal Resubmission
December 12, 2019
12:00 p.m. - 12:45 p.m. ET (11:00 a.m. - 11:45 a.m. CT)
Information and Registration

DARPA Coho Proposers Day
December 18, 2019
8:00 a.m. - 5:00 p.m. ET
MITRE-3 Building, located at 7594 Colshire Drive, McLean, VA 22102
Information and Registration – The registration deadline is December 6, 2019, 5:00 p.m., ET or when capacity is reached, whichever comes first.

Seminars/Events/Workshops for All Faculty
http://tees.tamu.edu/researchsupport/events/

TEES Research Development: A Visual Pitch: Enhancing Your Proposal with Graphics (See Flyer in Email)
January 23, 2020
9:00 a.m. - 10:30 a.m.
Wisenbaker, Room 232
Registration

Junior Faculty Proposal Writing Academy: NSF Broader Impacts & Education Plan Seminar & Expo
February 5, 2020
1:00 p.m. - 5:00 p.m.
ILSB Auditorium and Lobby

Prepared by TEES Research Development under the auspices of the Associate Agency Director for Strategic Initiatives and Centers. For questions, email researchnews@tees.tamus.edu.