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

TEES Research Development
Proposal Development Assistance

For assistance, please contact Dr. Laurie Garton at lsgarton@tamu.edu as early as possible in the proposal development process. We can help with:

**Assistance for Junior Faculty** – Also, see Junior Faculty Opportunities below.

**Multidisciplinary and/or Multi-university Proposals**

**Figures for a Proposal Being Submitted to Federal Agencies** – Preference will be given to large proposals and NSF CAREER proposals.

**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** **NSF Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research** – Email of Intent Due August 8, 2019; Internal Proposal Due August 15, 2019

**Limited Submission** **NSF Advancing Informal STEM Learning (AISL)** – Email of Intent Due August 8, 2019; Internal Proposal Due August 15, 2019

**Limited Submission** **Alfred P. Sloan Foundation 2020 Sloan Research Fellowships** – Email of Intent Due August 27, 2019; Internal Proposal Due August 27, 2019

**Limited Submission** **NSF Critical-Zone Collaborative Network** – Email of Intent Due September 4, 2019; Internal Proposal Due September 11, 2019

**Alfred P. Sloan Foundation**

**New Limited Submission** **2020 Sloan Research Fellowships** (link) – All nomination materials, including nomination letters and all letters of support, must be submitted through the
The 2020 Sloan Research Fellows will receive fellowships in the amount of $75,000.

**DOC**

**NIST Measurement Science and Engineering (MSE) Research Grant Programs** ([link](#)) – Applications will be accepted and considered on a rolling basis as they are received. The announcement remains active until a new announcement is issued. – Funding amounts vary by program

**NOAA FY 2018-2020 – Broad Agency Announcement (BAA) Announcement Type: Initial** ([link](#)) – Due September 30, 2020 – There are no funds specifically appropriated by Congress for this BAA. Funding for potential projects in this notice is contingent upon the availability of Fiscal Year 2018, Fiscal Year 2019, and Fiscal Year 2020 appropriations.

**DOD**

**New DARPA Microsystems Exploration: Safeguards against Hidden Effects and Anomalous Trojans in Hardware (SHEATH)** ([link](#)) – Due August 19, 2019 – The Phase 1 (base) award value shall not exceed $250,000. The Phase 2 (option) award value shall not exceed $750,000. The total award value for the combined Phase 1 and Phase 2 is limited to $1,000,000.

**FY 2020 Vannevar Bush Faculty Fellowship** ([link](#)) – White Papers Due August 16, 2019; Invited Full Due January 17, 2020 – It is anticipated that the maximum award will be $3 million per five years, with the actual amount contingent on availability of funds, the specific topic, and the scope of the proposed work.

**Funding Opportunity Announcement FY2020 Office of Naval Research (ONR) Young Investigator Program (YIP) Synopsis 2** ([link](#)) – Full Due August 16, 2019 – Typical awards are $510,000 over a 36-month period of performance. Applicants may request up to $170,000 for each 12-month interval.

**DARPA SBIR/STTR Opportunity: Extreme Environment Sensors** ([link](#)) – Due August 6, 2019 – For this SBO, DARPA will accept Phase I proposals for cost of up to $225,000 for a 6-month period of performance. DARPA will accept DP2 proposals for a cost up to $1,750,000. This is inclusive of a 24-month Phase II base period and a 10-month Phase II option period, not to exceed a cost of $1,500,000. A separately priced option of up to $250,000 shall be proposed for participation in the DARPA Entrepreneurial Investigator Initiative.

**DARPA SBIR/STTR Opportunity: Medical Implants from Molecular Assembly** ([link](#)) – Due August 6, 2019 – For this SBO, DARPA will accept DP2 proposals for cost up to $2,250,000. This includes a 12 month base period not to exceed a cost of $1,000,000 and a 12 month option period not to exceed a cost of $1,000,000. A separately priced option of up to $250,000 must also be proposed for contractors who would like to be considered for participation in the DARPA Entrepreneurial Investigator Initiative.

**DARPA SBIR/STTR Opportunity: Robust Transceiver Modules for Femtosecond-Level, Free-Space Optical Time and Frequency Transfer to Mobile Platforms** ([link](#)) – Due August 6, 2019 – For this SBO, DARPA will accept DP2 proposals for cost up to $1,750,000. This includes a 12 month base period not to exceed a cost of $750,000 and a 12 month option period not to exceed a cost of $750,000. A separately priced option of up to
$250,000 must also be proposed for contractors who would like to be considered for participation in the DARPA Entrepreneurial Investigator Initiative.

**DARPA SBIR/STTR Opportunity: Side Channel Attack Testbench Estimator (SCATE)**  
(link) – Due August 6, 2019 – For this SBO, DARPA will accept Phase I proposals for cost of up to $200,000 for a 3-month period of performance for a study, as described in Section II. DARPA will accept DP2 proposals for a total cost up to $4,250,000 (see solicitation for structure).

**DARPA SBIR/STTR Opportunity: CHAracterization of Intrinsic Novelty (CHAIN)**  
(link) – Due August 6, 2019 – For this SBO, DARPA will accept Phase I proposals only, for cost of up to $225,000 for a 6-month period of performance. Proposers awarded a Phase I contract will be eligible to submit a proposal for Phase II, for a cost up to $1,250,000. This includes an 18-month base period not to exceed a cost of $1,000,000 and a separately priced option of up to $250,000 for participation in the DARPA Entrepreneurial Investigator Initiative.

**DARPA Polypelxus Pilot 2**  
(link) – Final Abstract Due August 14, 2019; Final Full Due September 3, 2019 – Approximately 10 awards at the $100,000 level are anticipated throughout the duration of this Broad Agency Announcement (BAA); however, the level of funding for individual awards made under this solicitation has not been predetermined and will depend on the scope and quality of the proposals received, as well as the availability of funds.

**ONR Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science & Technology**  
(link) – The Government reserves the right not to review proposals submitted after 30 September 2019, or after a successor to this Long Range BAA is issued, whichever occurs first. – The funded amount and period of performance of each proposal selected for award may vary depending on the research area and the technical approach to be pursued by the offeror selected.

**DTRA Fundamental Research to Counter Weapons of Mass Destruction**  
(link) – Due September 30, 2019 – Grants resulting from submissions to Thrust Areas 1-7, including topics associated with these thrust areas, may range from small dollar value (e.g., $25K) up to $1M annually (total, including both direct and indirect costs) depending on the nature and the scope of work.

**2019 Engineer Research and Development Center (ERDC) Broad Agency Announcement**  
(link) – Closes January 31, 2020

**DARPA Strategic Technologies**  
(link) – Due February 28, 2020 – Multiple awards are anticipated. 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**

**ARO Broad Agency Announcement (BAA) for Fundamental Research for 1 April 2017 - 31 March 2022 Amendment 4**  
(link) – This BAA is a continuously open announcement valid throughout the period from the date of issuance through 31 March 2022, unless announced otherwise. – The ACC-APG RTP Division has the authority to award a variety of instruments on behalf of ARO. Anticipated awards will be made in the form of contracts, grants, cooperative agreements, technology investment agreements (TIAs), or other transactions for prototypes (OTAs).

**DARPA Microsystems Technology Office (MTO) Office-Wide**  
(link) – Abstracts may be submitted on a rolling basis until 1:00 p.m. on May 26, 2020; Proposals Due June 26, 2020 – Multiple awards are anticipated.
National Geospatial-Intelligence Agency Academic Research Program (NARP) –
White papers will be accepted on a continuous, rolling basis and may be submitted at any
time before 11:59 p.m. EDT on 31 September 2021. Proposals, if requested, may be
submitted at any time until the closing date of 31 December 2021 at 11:59 p.m. EST. – NURI
awards are expected to have not more than a 24-month base period and a value of up to
$400,000, with up to three one-year options valued at up to $200,000 per option year. NIP
award grants are expected to have a 24-month base period valued up to $200,000, with up to
one-year option valued at $100,000. NRCF grants are normally less than $30,000 per event
based on merit.

Broad Agency Announcement for the Army Rapid Capabilities Office – Due March
23, 2023; Open continuously for the next 5 years – In anticipation, but not limited to, three to
twelve month period of performance awards, with dollar amounts ranging from $500,000 to
$2,000,000 may be expected.

United States Special Operations Command Broad Agency Announcement (BAA) for
Extramural Biomedical Research and Development – It is continuously open for a 5-
year period, from 1 August 2018 closing 31 July 2023, 11:59 p.m. Eastern Time. – The
Anticipated total costs budgeted for the entire period of performance will not exceed $3
Million annually. The number of awards is indeterminate and contingent upon funding
availability.

Proposals may be submitted any time during this 5 year period and are evaluated as they are
received. – The Government anticipates awarding multiple assistance instruments of various
values and periods of performance under this FOA.

DOE
DOE Long-Term Opportunities
FY2019 Continuation of Solicitation for the Office of Science Financial Assistance
Program – This Funding Opportunity Announcement (FOA) will remain open until
September 30, 2019 or until replaced by a successor FOA. Applications may be submitted
any time during that period. A Pre-Application is optional/encouraged. – The award size will
depend on the number of meritorious applications and the availability of appropriated funds.
Ceiling: The largest award made under the Fiscal Year 2016 version of this FOA received no
more than $4,000,000 in annual funding. Floor: The smallest award made under the Fiscal
Year 2016 version of this FOA received $3,000 in annual funding.

EPA
New Energy and Integrated Assessment Modeling Studies – Due September 6, 2019 –
The total estimated five-year funding for this competitive opportunity is approximately
$750,000. EPA anticipates awarding one cooperative agreement from this announcement,
subject to availability of funds, the quality of applications received, and other applicable
considerations.

National Academies of Sciences, Engineering, and Medicine
New NRC Research Associateship Programs – Deadline February 1, 2020. Application
window opens December 1, 2019. –This competition is conducted in cooperation with
sponsoring federal laboratories and other research organizations approved for participation.
A primary objective of the Program is to provide a mechanism for new ideas, knowledge, and skills to be brought to the sponsoring laboratory. One or two year awards, renewable. Postdoctoral and Senior Associateships available.

**NIH**

**NIBIB Trailblazer Award for New and Early Stage Investigators – Notice to Extend the Expiration Date** (link) – New program expiration date is January 8, 2020. This extension will allow one more award cycle, Due October 16, 2019. This Trailblazer Award is an opportunity for New and Early Stage Investigators to pursue research programs of high interest to the NIBIB that integrate engineering and the physical sciences with the life and behavioral sciences. Application budgets may not exceed $400,000 direct costs over a maximum three-year funding period. No more than $200,000 may be requested in any single year.

**Bridges to the Doctorate Research Training Program (T32)** (link) – Due September 25, 2019 – 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. NIGMS expects to fund programs at or below 15 trainees, as appropriate to the institutional capabilities.

**Bridges to the Baccalaureate Research Training Program (T34)** (link) – Due September 25, 2019 – 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.

**NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25)** (link) – LOI Due 30 Days prior to Application; Application Due September 25, 2019 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Application budgets are limited to a maximum of $250,000 direct cost per year, and must reflect the actual needs of the proposed project.

**NIH Director’s Transformative Research Awards (R01 Clinical Trial Optional)** (link) – Due September 20, 2019 – NIH Common Fund intends to commit approximately $8 million dollars in FY 2020 and make approximately 7 awards, depending on the size and scope of the most meritorious awards. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**NIH Director’s Pioneer Award Program (DP1 Clinical Trial Optional)** (link) – Due September 9, 2019 – NIH intends to commit approximately $8,000,000 in FY 2020 to fund approximately 7 awards. Award Budget: Awards will be for $700,000 in direct costs per year. Project period limited to 5 years.

**NIH Standard Due Dates**

**Wearable Alcohol Biosensors (STTR) (R41/R42-Clinical Trial Optional)** (link) – Standard Due Dates: January 5, April 5, September 5 – According to statutory guidelines, total funding support (direct costs, indirect costs, fee) normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards.

**Wearable Alcohol Biosensors (SBIR) (R43/R44-Clinical Trial Optional)** (link) – Standard Due Dates: January 5, April 5, September 5 – According to statutory guidelines, total funding...
support (direct costs, indirect costs, fee) normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards.

**NLM Research Grants in Biomedical Informatics and Data Science (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 limited to $250,000 per year in direct costs and need to reflect the actual needs of the proposed project.

**Mentored Quantitative Research Development Award (Parent K25 - Independent Clinical Trial Not Allowed) [link]** – Standard Due Dates: February 12, June 16, October 12 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Award budgets are composed of salary and other program-related expenses, as described below.

**NHLBI Career Transition Award for Intramural Postdoctoral Fellows and Research Trainees (K22 Independent Clinical Trial Not Allowed) [link]** – Standard Due Dates: February 12, June 12, October 12 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Award budgets are composed of salary and other program-related expenses, as described in the solicitation.

**NSF New** Dear Colleague Letter: Supplemental Funding Opportunity to Support Student Design Projects Directly Related to NSF Research. [link] Participating divisions – Directorate for Engineering (ENG): CBET, CMMI, ECCS.

**Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII) [link]** – Full Due August 14, 2019 – CISE expects the total funding to be up to $10,000,000 each year, subject to the availability of funds. Each award will be up to $175,000 for a period of 24 months.

**Computing and Communication Foundations (CCF): Core Programs [link]** – Due September 9, 2019 - September 16, 2019 for MEDIUM projects; October 31, 2019 - November 14, 2019 for SMALL projects – Small Projects: up to $500,000 total budget with durations up to three years; and Medium Projects: $500,001 to $1,200,000 total budget with durations up to four years.

**Computer and Network Systems (CNS): Core Programs [link]** – Due September 9, 2019 - September 16, 2019 for MEDIUM projects; September 18, 2019 - September 25, 2019 for LARGE projects; October 31, 2019 - November 14, 2019 for SMALL projects – Small Projects: up to $500,000 total budget with durations up to three years; Medium Projects: $500,001 to $1,200,000 total budget with durations up to four years; and Large Projects: $1,200,001 to $3,000,000 total budget with durations up to five years.

Projects: up to $500,000 total budget with durations up to three years; Medium Projects: $500,001 to $1,200,000 total budget with durations up to four years; and Large Projects: $1,200,001 to $3,000,000 total budget with durations up to five years.

**National Robotics Initiative 2.0: Ubiquitous Collaborative Robots (NRI-2.0) [link]** – Full Due January 22, 2020 – Foundational projects will range from $250,000 to $750,000 in total costs for up to three years. Integrative projects will range from $500,000 to $1,500,000 in total costs for up to four years. Please refer to Section III for agency-specific budget criteria.

**MPS Ceramics (CER) [link]** – Full Proposals Accepted Anytime. Investigators are advised that the following dates – March 15 to May 15 and July 15 to Aug. 15 – should, optimally, be avoided for submissions. – Estimated Number of Awards: 25; Anticipated Funding Amount: $10,000,000

**NSF PD Opportunities**

**OAC Cyberinfrastructure for Emerging Science and Engineering Research (CESER) [link]** – Full Proposals Accepted Anytime – PD 19-7684

**DMR Crosscutting Activities in Materials Research [link]** – Full Proposal Accepted Anytime – PD 18-7222

**CMMI Advanced Manufacturing (AM) [link]** – Full Proposals Accepted Anytime – PD 19-008Y

**ECCS Energy, Power, Control, and Networks (EPCN) [link]** – Full Proposal Accepted Anytime – PD 18-7607

**Sony**

**Sony Research Award Program [link]** – Due September 15, 2019 – The Focused Research Award is limited to a maximum of $150K per proposal. The Faculty Innovation Award is limited to a maximum of $100K per proposal. A list of candidate research topics and keywords are included.

**USAFA**

**US Air Force Academy Hypersonic Transition Models Research [link]** – White Paper due July 29, 2019. Full 30 days after format request for proposal is sent to the submitter. Anticipated Award date is October 30, 2019. Anticipated funding for multi-year awards is up to $2,000,000.00. The Government anticipates awarding three to five cooperative agreements as a result of this call.

**Requests for Information/Notices of Intent**

**New** **DARPA Request for Information: Vector/Tensor Sensors [link]** - Responses Due at 1:00 p.m. (Eastern) on July 31, 2019.

**IARPA Request for Information: Seeking Data Sources for Technology Performance Prediction [link]** – Responses Due August 8, 2019

**NIH Notice of Intent to Publish a Funding Opportunity Announcement for Innovative Programs to Enhance Research Training (IPERT) R25 [link]** – Estimated Post Date July 25, 2019; Estimated Application Due Date October 15, 2019.
Student/Postdoctoral Opportunities

**TAMU Datathon**
October 19-20, 2019
Texas A&M Campus
[Information and Registration](#) – Register soon, limited to 300 attendees.

**Capital of Texas Undergraduate Research Conference (CTURC)**
November 16, 2019
University of Texas at Austin, Austin, TX
[Information and Registration](#) – The registration and abstract submission deadline is October 4, 2019. CTURC allows undergraduate researchers, from all majors and schools in Texas, to present their original research. The three different presentation styles will include a Poster Presentation, Oral Google Slides Presentation or an Oral Presentation of Creative Works.

**8th Annual U.S. Clean Energy Education and Empowerment (C3E) Women in Clean Energy Symposium and Poster Competition**
November 13-14, 2019
Texas A&M University
[Information](#)
[Poster Competition](#) – September 1 – Application period will close at midnight. Please complete the online submission form by then and include the link to your YouTube video. The PDF of your poster must be submitted to Box, no later than September 10.

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## 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).

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**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 [zjpei@tamu.edu](mailto:zjpei@tamu.edu) for more information.
Funding Opportunities

**New JF** NIBIB Trailblazer Award for New and Early Stage Investigators – *Notice to Extend the Expiration Date* (link) – New program expiration date is January 8, 2020. This extension will allow one more award cycle, due October 16, 2019. This Trailblazer Award is an opportunity for New and Early Stage Investigators to pursue research programs of high interest to the NIBIB that integrate engineering and the physical sciences with the life and behavioral sciences. Application budgets may not exceed $400,000 direct costs over a maximum three-year funding period. No more than $200,000 may be requested in any single year.

**FJ** Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII) (link) – Full Due August 14, 2019 – CISE expects the total funding to be up to $10,000,000 each year, subject to the availability of funds. Each award will be up to $175,000 for a period of 24 months.

**FJ** Funding Opportunity Announcement FY2020 Office of Naval Research (ONR) Young Investigator Program (YIP) Synopsis 2 (link) – Full Due August 16, 2019 – Typical awards are $510,000 over a 36-month period of performance. Applicants may request up to $170,000 for each 12-month interval.

Seminars/Events/Workshops

*Future Seminars/Events/Workshops will be posted here.*

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/](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)

**DARPA STO Industry Day**
August 7-8, 2019
DARPA Conference Center, 675 N. Randolph St., Arlington, VA
Information and Registration – The August 7 event day will also be webcast for those who would like to participate remotely. Participants may only attend one of the two event days in person. Attendees to the August 8 event day should not also register for the August 7 webcast.

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**Seminars/Events/Workshops for All Faculty**
[http://tees.tamu.edu/researchsupport/events/](http://tees.tamu.edu/researchsupport/events/)

**The Autonomous Resupply Problem & Intro to the Army Applications Laboratory**
July 25, 2019
Capital Factory, 701 Brazos Street, 8th Floor, Austin, TX
Introduction and Registration

**15th International Conference on Polymers for Advanced Technologies (PAT 2019)**
August 8-10, 2019
Texas A&M University
Information

**Texas A&M Conference on Energy**
September 23-25, 2019
Memorial Student Center
Information and Registration

**Defense TechConnect Fall Conference & Expo**
October 8-10, 2019
National Harbor, MD
Information and Registration

**TAMU Datathon**
October 19-20, 2019
Texas A&M Campus
Information and Registration – Register soon, limited to 300 attendees.

**The Mary Kay O'Connor Process Safety Center 2019 International Symposium**
October 22-24, 2019
Texas A&M Hotel and Conference Center
Information and Registration – Early registration closes July 31, 2019. TAMU Staff and Students register for free.

**Call for Papers**
Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium on “AI in Government and Public Sector”
November 7-9, 2019
Arlington, VA
Information – Call for Papers deadline is July 26.

2019 Chemical and Biological Defense Science & Technology (CBD S&T) Conference
November 18-21, 2019
Duke energy Convention Center, Cincinnati, OH
Information and Registration

Amazon Web Services – re:Invent Conference
December 2-6, 2019
Las Vegas, NV
Information and Registration

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.