Funding Opportunities

http://tees.tamu.edu/researchsupport/funding/

**TEES Research Development – Proposal Development Assistance**

**Assistance for Junior Faculty**
If you are junior faculty and would like help in submitting a proposal, please contact Dr. Laurie Garton at lsgarton@tamu.edu at least 4 weeks before your proposal is due. For the most assistance, please contact her 2-3 months in advance.

Also, see Junior Faculty Opportunities below.

**If you are working on a multidisciplinary and/or multi-university proposal** and would like to use the services of TEES Research Development, please contact Dr. Laurie Garton at lsgarton@tamu.edu at least four weeks prior to the due date and after successfully negotiating the white paper or preproposal stage.

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**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** *U.S. Department of Energy, Energy Frontier Research Centers* – Email of Intent [Due December 1, 2017 (this Friday)]: Internal Proposal Due December 13, 2017 –
- **Limited Submission** *NSF Cultivating Cultures for Ethical STEM (CCE STEM)* – Email of Intent Due December 1, 2017; Internal Proposal Due December 7, 2017 -
- **Limited Submission** *Gordon and Betty Moore - Moore Inventor Fellows* – Email of Intent Due December 6, 2017; Internal Proposal Due December 13, 2017
- **Limited Submission** *Keck Undergraduate Education* – Email of Intent Due December 8, 2017; Internal Proposal Due December 14, 2017
- **Limited Submission** *Keck Grants Programs in Research* – Email of Intent Due December 8, 2017; Internal Proposal Due December 14, 2017
- **Limited Submission** *NIH Data Science Research: Personal Health Libraries for Consumers and Patients (R01)* – Email of Intent Due January 5, 2018; Internal Proposal Due January 11, 2018
Qatar National Research Fund

National Priorities Research Program (NPRP) (link) – Two tracks: NPRP Clusters Due January 23, 2018; the total budget per cluster is up to US$ 5M for a duration of up to five years. The budget of each sub-project should not exceed US$ 1M – NPRP Standard Due January 30, 2018.

TAMU Faculty Development Funding (Instructional Technology Services and the Pedagogy Project)

Student Success Faculty Fellows Program (link) – Due December 1, 2017 – Estimated Funding: $10,000 per fellow.

DOD

AFOSR Dynamically and Controllably Reconfigurable Antennas through Physical Deformation Processes (link) – Due December 15, 2017 – Estimated Total Program Funding: $4,800,000

AFRL FY 2018 Summer Faculty Fellowship Program (link) – Applications Open September 1 – December 5, 2017 – The levels for the FY 2017 U.S. Air Force Research Lab Summer Faculty Fellowship Program faculty are as follows: Assistant Professor: $1,500/weekly, Associate Professor: $1,700/weekly, Professor: $1,900/weekly (U.S. Air Force Research Lab Summer Faculty Fellowship Program faculty participants have the opportunity to bring a graduate student with them.)

DARPA I2O Office-wide BAA (link) – Abstract Due July 12, 2018; Proposal Due August 31, 2018 – Multiple awards are anticipated. The level of funding for individual awards made under this solicitation has not been predetermined and will depend on the quality of the proposals received and the availability of funds.

DARPA Microsystems Technology Office Office-wide Broad Agency Announcement (link) – Abstracts May Be Submitted on Rolling Basis until August 10, 2018; Proposals May Be Submitted on Rolling Basis until September 13, 2018 – This BAA is primarily, but not solely, intended for early stage research (studies) that may lead to larger, focused, MTO programs in the future. Studies are defined as single phase efforts of short duration (< 12 months) costing less than $1,000,000.

DARPA DSO Office-wide Broad Agency Announcement (BAA) (link) – Executive Summary Due April 26, 2018; Abstract Due May 10, 2018; Full Due June 11, 2018 – DARPA anticipates multiple awards. The level of funding for individual awards made under this BAA will depend on the quality of the proposals received and the availability of funds.

DARPA Innovative Systems for Military Missions (link) – Due June 12, 2018 – 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. In general, initial awards are anticipated to be for less than $1 million and less than 18 months duration, although options that follow the base effort may also be proposed.

DOE

Limited Submission Energy Frontier Research Centers (foa link; program link) – Internal email of intent Due December 1, 2017 (this Friday), internal proposal due December 13, 2017. Required Preliminary proposal to agency due January 31, 2018, full due April 11, 2018
(if selected through prelim process). Total funding available up to $98,874,000 annually for these $8,000,000 - $16,000,000 4-year awards.

**Earth System Model Development and Analysis** ([link](#)) – Pre-application Due January 16, 2017 – Total funding up to $10,000,000 at $3,333,333 annually is expected to be available for this FOA, with individual awards ranging from at least $200,000 to a maximum of $350,000 per year for up to 3 years.

**Solar Desalination** ([link](#)) – Concept Papers Due December 4, 2017; Full Due March 16, 2018 – EERE anticipates making approximately 7 to 10 awards under this FOA. EERE may issue one, multiple, or no awards. Individual awards may vary between $0.5 million and $5 million.

**NASA**

**2017 NASA HERO NRA** ([link](#)) – Due July 30, 2018 – Awards generally range from under $100K per year for focused, limited efforts (e.g., data analysis) to $1M per year for extensive activities (e.g., development of scientific hardware).

**NIH**

**Limited Submission** **NIH Data Science Research: Personal Health Libraries for Consumers and Patients (R01)** ([link](#)) – Email of Intent Due January 5, 2018; Internal Proposal Due January 11, 2018; Up to $250,000 direct costs may be requested in any single year. The total project period may not exceed 4 years.

**National Cooperative Drug/Device Discovery/Development Groups (NCDDG) for the Treatment of Mental or Substance Use Disorders or Alcohol (U01 Clinical Trial Optional)** ([link](#)) – Due Dates: February 23, 2018, June 22, 2018, October 23, 2018 – Application budgets are not limited over the maximum five-year funding period, but must reflect actual needs.

**National Cooperative Drug/Device Discovery/Development Groups (NCDDG) for the Treatment of Mental or Substance Use Disorders or Alcohol (U19 Clinical Trial Optional)** ([link](#)) – Due Dates: February 23, 2018, June 22, 2018, October 23, 2018 – Application budgets are not limited over the maximum five-year funding period, but must reflect actual needs.

**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)** ([link](#)) – Standard Due Dates: January 25, May 25, September 25 – Application budgets are not limited over the maximum five-year funding period, but must reflect actual needs.

**Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (Parent T35)** ([link](#)) – Standard Due Dates: January 25, May 25, September 25 – Application budgets are not limited over the maximum five-year funding period, but must reflect actual needs.

**NCATS Limited Competition: Exploratory CTSA Collaborative Innovation Awards (R21 Clinical Trial Optional)** ([link](#)) – Due Dates: March 29, 2018, July 30, 2018 – Application budgets may not exceed $275,000 direct costs over a maximum two-year funding period. No more than $200,000 in direct costs may be requested in any single year.

**NIBIB Exploratory/Developmental Research Grant Program (R21)** ([link](#)) – Standard Due Dates: February 16, June 16, October 16 – Application budgets may not exceed $275,000
direct costs over a maximum two-year funding period. No more than $200,000 in direct costs may be requested in any single year.

NIST

Summer Undergraduate Research Fellowship (SURF) Program (link) – Applications Due February 12, 2018 – applying universities may nominate up to 8 undergraduates for participation. NIST anticipates that individual awards to institutions will range from $9,000 - $72,000 with approximately $1.8 million available for new awards.


NSF

National Robotics Initiative 2.0: Ubiquitous Collaborative Robots (NRI-2.0) (link) – Due February 20, 2018. Anticipated funding amount: $35,000,000 per year for up to 60 awards. Foundational projects - $250,000-$750,000 over 3 years, Integrative projects $500,000-$1,500,000 over 4 years. Co-funded by USDA, U.S. Dept. Energy, DoD, DARPA, and AFOSR, specific related topics considered by each agency following NSF review.

Smart and Connected Communities (S&CC) (link) – LOI Due January 30, 2018, Full Due February 28, 2018. Anticipated funding amount: $19,250,000 up to 15 awards.

Partnerships for Innovation (link) – Due February 1, 2018. Anticipated funding amount: $16,750,000 up to 55 awards.

Dynamics of Coupled Natural and Human Systems (CNH) (link) – Due January 23, 2018. Anticipated funding amount: $12,000,000 available for 8 to 13 awards.

Enabling Discovery through Genomic tools (EDGE) (link) – Due February 1, 2018. Anticipated funding amount: $6,000,000 available for 10 awards per year.

International Research Experiences for Students (IRES) (link) – Track I, IRES Sites, up to $300,000 per award, 20-25 awards, Due January 30, 2018 and September 11, 2018; Track II, Advanced Studies Institutes, $150,000 per award, 10-12 awards, Due February 6, 2018 and September 18, 2018; Track III, New Concepts in International Graduate Experience, up to $1,000,000, 3-5 awards, Due February 13, 2018 and September 25, 2018.

Campus Cyberinfrastructure (CC*) (link) – Full Due January 30, 2018 – Estimated total program funding: $17,000,000 for multiple award types and sizes ($500,000 to $3,500,000 per award for 2 to 4 years).

Centers of Research Excellence in Science and Technology (CREST) and HBCU Research Infrastructure for Science and Engineering (RISE) (link) – LOI Due December 1, 2017; RISE Full Due February 8, 2018; CREST Prelim. Due February 15, 2018; CREST Full Due December 7, 2018. Anticipated funding amount: $19,300,000 (including 8 new CREST Centers).

Spectrum Efficiency, Energy Efficiency, and Security (SpecEES): Enabling Spectrum for All (link) – Full Due January 18, 2018 – Approximately 13-16 awards are anticipated, each up to $750,000 total and up to 3 years in duration, subject to the availability of funds and quality of proposals received.
Leading Engineering for America’s Prosperity, Health, and Infrastructure (LEAP HI) (link) – LOI Due December 15, 2017; Due February 5-20, 2018 – Anticipated Funding Amount: $6,500,000 to $7,500,000 for 4 to 7 awards each year.

Mathematical Sciences Research Institutes (link) – LOI Due December 14, 2018; Full Due March 14, 2019 – Anticipated Funding Amount: $30,000,000; Up to this amount will be initially available for this activity in FY 2020, subject to availability of funds and quality of proposals. Award amounts are anticipated to range from approximately $2.5 million per year to $5 million per year for up to five years.

Innovation Corps – National Innovation Network Teams Program (I-Corps™ Teams) (link) – Proposal accepted anytime with an I-Corps Cognizant Program Officer’s invitation. – Anticipated Funding Amount $12,750,000

Student/Postdoctoral Opportunities

AFCEA ROTC Scholarships (link) – Applications Due February 22, 2018 – The AFCEA Educational Foundation offers ROTC scholarships ranging from $2,000-$3,000 each are awarded to an Army, Navy (including Marine Corps option) or Air Force ROTC fulltime sophomore or junior students with at least an overall 3.0 GPA or above (with the exception of Medal of Honor and Distinguished Achievement scholarship program).

Junior Faculty Opportunities

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).

Funding Opportunities
**NCMRR Early Career Research Award (ECR) R03** (link) – Due Date: March 30, 2018.

Application budgets may not exceed $200,000 direct costs over a maximum two-year funding period. No more than $100,000 in direct costs may be requested in any single year.

**NIBIB Trailblazer Award for New and Early Stage Investigators (R21)** (link) – Standard Due Dates: March 16, July 16, November 16. Application budgets may not exceed $400,000 direct costs over a maximum three-year funding period. No more than $200,000 in direct costs may be requested in any single year. Target programs at the interface of engineering and/or the physical sciences with the life and/or behavioral sciences.

**Limited Submission Gordon and Betty Moore - Moore Inventor Fellows** (link) – Nominations must be received by 5:00 p.m. PT Monday, February 12, 2018, with all application materials due by 5:00 p.m. PT Monday, March 5, 2018 – Each fellow will receive a total of $825,000 over three years to drive their invention forward, including $50,000 per year from their home institution as a commitment to these outstanding individuals.

**AFRL FY 2018 Summer Faculty Fellowship Program** (link) – Applications Open September 1 – December 5, 2017 – The levels for the FY 2017 U.S. Air Force Research Lab Summer Faculty Fellowship Program faculty are as follows: Assistant Professor: $1,500/weekly, Associate Professor: $1,700/weekly, Professor: $1,900/weekly (U.S. Air Force Research Lab Summer Faculty Fellowship Program faculty participants have the opportunity to bring a graduate student with them.)

### Seminars/Events/Workshops

**Story Circles – Demo Day**

January 11, 2018  
9:30 a.m. - 4:00 p.m.  
Location: TAMU College Station campus, Room/Building TBA  
[Information on speaker here](#)  
Registration – coming soon  
Contact Dr. Laurie Garton, lsgarton@tamu.edu for more info

**Junior Faculty Proposal Writing Academy – 2018 NSF CAREER and Other Young Investigator Programs**

February 22, 2018  
8:00 a.m. - 2:00 p.m.  
301 Rudder Tower  
[Information and Registration](#)

**Junior Faculty Proposal Writing Academy – NSF CAREER Writing Groups Inaugural Meeting**

March 7, 2018  
2:00 p.m. - 3:00 p.m.  
Location TBA  
[Information and Registration](#)

**Junior Faculty Proposal Writer's Academy – Filling Your Toolbox: NIH Proposal Writing Resources**
March 21, 2018
1:00 p.m. - 4:00 p.m.
3147 ILSB
Information and Registration

**Junior Faculty Proposal Writer's Academy – Research Data Management Workshop**
April 4, 2018
1:00 p.m. - 3:00 p.m.
Sterling C. Evans Library Annex
Information and Registration

**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** – 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 the past year’s newsletter.
- **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)*

**NSF Engineering for Civil Infrastructure Webinar**
December 6, 2017
1:00 p.m. - 3:00 p.m.
Information and Registration – Registration deadline is November 30, 2017.

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

**Texas A&M Engineering Collaboration Day – Robotics**
December 7, 2017
8:30 a.m. - 4:30 p.m.
Texas Institute for Preclinical Studies (TIPS)
800 Raymond Stotzer Parkway
Information and Registration

**Story Circles – Demo Day**
January 11, 2018  
9:30 a.m. - 4:00 p.m. 
Location: TAMU College Station campus, Room/Building TBA  
[Information on speaker here](#) 
Registration – coming soon 
Contact Dr. Laurie Garton, lsgarton@tamu.edu for more info

**TAMU DOR Writing Successful Proposals (All Faculty)**
March 1, 2018 
1:00 p.m. - 4:00 p.m. 
Location TBA  
[Information and Registration](#)

**ARPA-E Energy Innovation Summit**
March 13-15, 2018  
Gaylord National Resort and Convention Center 
201 Waterfront Street, National Harbor, Maryland  
[Information and Registration](#)

**CAREER Proposal Writing Workshop 2018 hosted by NSF CMMI**
March 25-27, 2018  
Charlotte, NC  
[Information and Registration](#) – Application deadline is January 8, 2018.

**TAMU DOR Demystifying the NSF: NSF Funding Opportunities, Proposal Preparation, and Review Process**
March 28, 2018  
1:00 p.m. - 4:00 p.m. 
Location TBA  
[Information and Registration](#)

**TAMU DOR NSF Broader Impacts – All Faculty**
April 11, 2018  
1:00 p.m. - 2:30 p.m. 
Location TBA  
[Information and Registration](#)

**2018 NIH Regional Seminar**
May 2-4, 2018  
Hyatt Regency Washington on Capitol Hill  
Washington, D.C.
Loguinov Receives NSF Grant for Big Data Research

Dr. Dmitri Loguinov, a professor in the Department of Computer Science and Engineering at Texas A&M University, was recently awarded a grant from the National Science Foundation for his work centered on high-performance virtual-memory streaming.

Modern programs commonly process large amounts of input and operate on data that resides in external memory, for example hard drives and network. One particular type of sequential access, streaming, has become dominant in such applications, especially in a now-ubiquitous computational model known as MapReduce. Traditionally, however, operating systems have provided a poor input/output (I/O) interface for streaming and required tedious, nonreconfigurable, and error-prone code development.

Loguinov’s project aims to create algorithms for a virtual-stream interface that would enable development of big data software that is more easily managed, simpler to understand, inherently faster and less susceptible to bugs. Besides I/O, his work aims to provide novel abstractions for moving data between threads, which are parallel parts of a program that execute within the space of a single process.

To view the complete story, please visit the website.