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

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 NIH George M. O’Brien Kidney Research Core Centers (P30) – Email of Intent Due August 9, 2017; Internal Proposal Due August 11, 2017
Limited Submission NSF CISE Research Infrastructure (CRI) – Email of Intent Due August 10, 2017; Internal Proposal Due August 17, 2017
Limited Submission NSF Advancing Informal STEM Learning (AISL) – Email of Intent Due August 11, 2017; Internal Proposal Due August 18, 2017

New Seed Grant: Collaboration Required
Texas A&M AgriLife Research (Research), Texas A&M AgriLife Extension (Extension), and the Texas A&M Engineering Experiment Station (TEES) Request for Pre-Proposals: Research, Engineering, and Extension: Creation and Deployment of Water-Use Efficient Technology Platforms “Water Seed Grant Initiative” FY’18-FY’19 (email s-mccord@tamu.edu if you need a pdf of the RFP) – Pre-proposals Due August 11,
2017; Full Due September 29, 2017 – Requested funding should not exceed $100,000 per year.

**TAMU Division of Research and São Paulo Research Foundation (FAPESP)**

**Texas A&M-FAPESP Research Program SPRINT – 3rd Edition 2017** ([link](#)) – Informational Meeting September 6, 2017; Proposal Due October 30, 2017 – $10,000 per year for TAMU PI

**DOD**

**DARPA Microsystems Technology Office Commercial Performer Program Announcement** ([link](#)) – Due October 4, 2017 – Award(s) will be made to proposers whose ideas are determined to be the most advantageous to the Government, all factors considered, including the availability of funding for the effort.

**FY2018 Office of Naval Research (ONR) Young Investigator Program (YIP)** ([link](#)) – Due September 15, 2017 – Proposed research should be structured to have a three (3) year period of performance beginning 01 June 2018. It is anticipated that individual awards will be up to $170,000 per year for three (3) years (with the possibility of greater support for equipment and/or to support additional, collaborative research with a Navy laboratory). The $170,000 limit includes all funds paid to the university, including all indirect costs.

**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.

**IARPA**

**Ithildin** ([link](#)) – Due October 6, 2017 - Multiple awards are anticipated. The amount of resources made available under this BAA shall depend on the quality of the proposals received and the availability of funds.

**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**

**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.

**NSF**
CBET Combustion and Fire Systems (link) – Full Proposal Accepted Anytime – PD 18-1407
CBET Process Separations (link) – Full Proposal Accepted Anytime – PD 18-1417
Secure and Trustworthy Cyberspace (link) – Full Due October 10, 2017 (medium projects); October 20, 2017 (frontier projects); November 15, 2017 (small projects); December 13, 2017 (cybersecurity education projects)
Research Experiences for Undergraduates (REU) – Sites and Supplements (link) – Full Due August 23, 2017
Innovation Corps – National Innovation Network Teams Program (I-CorpsTM Teams) (link) – Proposal accepted anytime with an I-Corps Cognizant Program Officer’s invitation. – Anticipated Funding Amount $12,750,000
EEC Research in the Formation of Engineers (RFE) (link) – Full Due September 27, 2017 – PD 17-1340
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.

USDA
Small Business Innovation Research Program - Phase I (link) – Due October 5, 2017 – Funds may be awarded up to $100,000 for a Phase I project.

Student/Postdoctoral Opportunities
AFCEA ROTC Scholarships (link) – Applications open November 2017; 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).
Harvard University Rowland Fellows Program in Energy Science and Engineering (link) – Applications due August 18, 2017 – The stipend for Roland Fellows will start at $72,000 per year, depending on the candidate’s experience. Fellows must have completed their doctoral degrees prior to starting their term.

Requests for Information/Notices of Intent
DOE Request for Information: Photovoltaics (PV) Innovation Roadmap (link) – Responses Due August 14, 2017

Additional Resources
Funding Opportunities Spreadsheet – A spreadsheet of funding opportunities from the past year’s newsletter. Link is on the Proposal Tips and Resources page.
Education/Broader Impacts – A list of resources available through EASA, College of Engineering, Texas A&M, and national resources.
Proposers Days/Webinars

TEES/Hanover Research Multi-PI/Multi-Institution Proposals Webinar
August 25, 2017
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is August 24, 2017.

DARPA Young Faculty Award (YFA) Program Proposers Day Webcast
August 29, 2017
1:00 p.m. - 4:00 p.m.
Information and Registration – Registration closes at 12:00 p.m. (EST) on August 24, 2017, or when capacity is reached.

TEES/Hanover Research Foundation Outreach, Cultivation & Proposal Development Webinar
September 29, 2017
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is September 28, 2017.

TEES/Hanover Research Responding to Reviewer Comments & Resubmission Strategies Webinar
October 27, 2017
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is October 26, 2017.

TEES/Hanover Research Creating a Timeline for Developing & Submitting a Grant Webinar
November 17, 2017
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is November 16, 2017.

TEES/Hanover Research Crafting Specific Aims or Objectives Webinar
December 15, 2017
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is December 14, 2017.

TEES/Hanover Research Proposal Basics (Biosketches, Budgets, Etc.) Webinar
January 26, 2018
11:00 a.m. - 1:00 p.m.
Information and Registration – Registration deadline is January 25, 2018.

Upcoming Events/Workshops
http://tees.tamu.edu/researchsupport/events/
TEES Research Development
Future opportunities will be posted here.

Other Opportunities

2nd Annual Postdoctoral Research Symposium
September 20, 2017
12:00 p.m. - 6:00 p.m.
Thomas G. Hildebrand, DVM ’56 Equine Complex Auditorium
Information and Registration – The abstract submission deadline is August 15, 2017.

2nd IEEE International Conference on Communication and Electronics Systems (ICCES 2017)
October 19-20, 2017
Hotel Arcadia, Coimbatore, India
Information and Registration

2017 NIH Regional Seminar
October 25-27, 2017
Renaissance Baltimore Harborplace Hotel, Baltimore, Maryland
Information and Registration

DTRA 2017 Chemical and Biological Defense Science & Technology (CBD S&T) Conference
November 28-30, 2017
Long Beach Convention Center, Long Beach, CA
Information and Registration – The registration deadline is November 3, 2017.

Research News

Making Some Noise: Dr. Laszlo Kish

There are many methods and algorithms currently available that can secure data, and while they may seem practically unbreakable, one can never be too sure about cybersecurity.

Dr. Laszlo Kish, professor in the Department of Electrical and Computer Engineering at Texas A&M University, is founder of the idea of unconditional security using electronics and thermal noise. He studies the physics of electronics and computing.

“Unconditional security or ‘post-quantum cryptography’ is possible when a potential hacker can’t access any encrypted information despite having access to a quantum computer or even an infinitely fast computer, because the information is inaccessible in the signal,” said Kish. “The hacker can measure and record everything but the information does not exist—only random noise.”
Kish says software-based systems can offer only conditional security. Unconditional security requires the utilization of a relevant law of physics with the proper hardware.

To view the complete story, please visit the [website](#).

**Researchers Develop Model to Predict and Prevent Power Outages Using Big Data**

High-speed winds during a thunderstorm may cause trees around an electric grid to crash into the distribution system feeders causing an outage in that area. Currently, most utility companies diminish such accidents by scheduling regular tree-trimming operations. This effort is costly and is based on a rotational approach to different service areas, which may take months and sometimes years before all trees are trimmed.

Texas A&M University researchers have developed an intelligent model that can predict a potential vulnerability to utility assets and present a map of where and when a possible outage may occur. The predictive feature allows the trees in the most critical areas with the highest risk to be trimmed first.

Dr. Mladen Kezunovic, Regents Professor and holder of the Eugene E. Webb professorship in the Department of Electrical and Computer Engineering, along with graduate students Tatjana Dokic and Po-Chen Chen, have developed the framework for a model that can predict weather hazards, vulnerability of electric grids and the economic impact of the potential damage. By analyzing the impact of a potential vulnerability and weather impacts on power system outages, the researchers can predict where and when outages can occur. Predicting an optimal tree trimming schedule that would minimize the risk of vegetation-related outages is only one of the applications.

To view the complete story, please visit the [website](#).

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