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.

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 CISE Research Infrastructure (CRI) – Email of Intent Due August 10, 2018; Internal Proposal Due August 17, 2018
Limited Submission NSF Advancing Informal STEM Learning (AISL) – Email of Intent Due August 10, 2018; Internal Proposal Due August 17, 2018
Limited Submission NSF Research Traineeship (NRT) Program – Email of Intent Due September 7, 2018; Internal Proposal Due September 14, 2018

DOD
Naval Air Warfare Center Aircraft Division (NAWCAD) Office-Wide (link) – This announcement will remain open for one (1) year from the date of publication, or until replaced by a successor BAA. Proposals may be submitted at any time during this period. – Multiple awards are anticipated. The level of funding for individual awards made under this
solicitation have not been predetermined and will depend on the quality of the white papers received and the availability of funds.

**Collaborative Center for Aeronautical Sciences** (link) – Due August 3, 2018 – Basic Effort: $3,000,000; Two Additional 2-year Research Periods: $1,200,000 each

**DARPA Biological Technologies** (link) – Proposal Abstracts and Full Proposals will be submitted on a rolling basis until April 25, 2019 – 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.

**Broad Agency Announcement for the Army Rapid Capabilities Office** (link) – 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.

**DTRA Fundamental Research to Counter Weapons of Mass Destruction Amendment 7** (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.

**DOE**

**Advanced Wind R&D to Reduce Costs and Environmental Impacts** (link) – Concept Papers Due August 15, 2018; Full Due September 26, 2018 – EERE anticipates making approximately 6-8 awards under this FOA. EERE may issue one, multiple, or no awards. Individual awards may vary between $500,000 and $1 million.

**IARPA**

**Molecular Analyzer for Efficient Gas-phase Low-power INterrogation (MAEGLIN) Phase 2** (link) – Proposal Due September 10, 2018 (initial round); BAA Closing Date December 31, 2018 – 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.

**NIH**

**Wearable Alcohol Biosensors (STTR) (R41/R42- Clinical Trial Optional)** (link) – Standard Due Dates: September 5, January 5, April 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: September 5, January 5, April 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.

**NIH Director’s Pioneer Award (DP1 - Clinical Trial Optional)** (link) – Due September 14, 2018. Research must reflect substantially different scientific directions from those already being pursued in the investigators research program or elsewhere. – NIH intends to commit approximately $8,000,000 in FY 2019 to fund approximately 7 awards. Awards will be for $700,000 in direct costs per year, plus applicable Facilities and Administrative (F&A) costs. The project period is limited to five years.
NSF

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

**Dear Colleague Letter: Transforming the CMMI Advanced Manufacturing Core Programs to Revitalize the Nation’s Strategic Industries (link)**

**Dear Colleague Letter (DCL): Removal of Deadlines for the Secure and Trustworthy Cyberspace (SaTC) Program (link)**

**United States-Israel Binational Science Foundation Call for Proposals in a Joint NSF-BSF Program in Chemical Engineering and Energy (link)** – Full Due October 20, 2018 to NSF – The US PI submission to the NSF MUST include the BIOGRAPHY (in the NSF format), BUDGET (in the BSF format) of the Israeli partner and a collaboration plan as part of the auxiliary material.

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

**Requests for Information/Notices of Intent**

Facebook **Request for Information: Non-invasive Optical Sensing of Fast Brain Activity (see attached PDF in email)** – Responses Due July 31, 2018

Facebook **Request for Information: Next-generation Computational Optical Tomography for Diffuse Optical Imaging (see attached PDF in email)** – Responses Due September 15, 2018

DARPA **Request for Information: Quantum Computing Applications with State of the Art Capabilities (link)** – Responses Due August 10, 2018

DOE **Request for Information (RFI): Identifying Priorities for Reducing Barriers to Deployment of Hydrogen Infrastructure (link)** – Responses Due August 10, 2018

Army **Request for Information: Leveraging Data within the Federal Interagency Traumatic Brain Injury Research (FITBIR) Informatics System to Identify Actionable Insights for the Diagnosis, Management and Treatment of TBI (link)** – Responses Due September 15, 2018

DOE **Request for Information: Marine and Hydrokinetic Metrics (link)** – Responses Due July 31, 2018

**Student/Postdoctoral Opportunities**

ORISE/ORNL **19th Annual ORISE/ORNL Graduate Student Recruitment Fair, August 9, 2018 (link)** – Applications for US citizens Due July 26, 2018.

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This section contains resources, funding opportunities and seminars, events, and workshops of special interest to junior faculty. See **Seminars/Events/Workshops** below for more offerings.

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**Junior Faculty Opportunities**

**Young Investigator Programs**

[http://tees.tamu.edu/researchsupport/young-investigator-program/]
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**

*Future Funding Opportunities will be posted here.*

**Seminars/Events/Workshops**

**Young Faculty Award (YFA) Proposers Day Webcast**
August 8, 2018
1:30 - 3:30 p.m. ET

Information and Registration – Registration Closes August 1, 2018, or when capacity is reached.

**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)*

**Space Environment Exploitation (SEE) Proposers Day and Webcast**
July 31, 2018
8:00 a.m. - 12:30 p.m. ET
Executive Conference Center, 4075 Wilson Boulevard, Suite 350, Arlington, VA
Young Faculty Award (YFA) Proposers Day Webcast
August 8, 2018
1:30 - 3:30 p.m. ET
Information and Registration – Registration Closes August 1, 2018, or when capacity is reached.

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

2018 Natural Gas Utilization Workshop
August 12-14, 2018
Memorial Student Center
Information and Registration – Call for Abstracts Open until July 13, 2018.

DARPA D60: Breakthrough Technology | Past, Present, Future
September 5-7, 2018
Gaylord National Resort and Convention Center, National Harbor Oxon Hill, MD
Information and Registration

September 24-26, 2018
Memorial Student Center
Information and Registration

Research News

The Texas A&M University System to Play Role in Army’s Futures Command Partnership

The Texas A&M University System will join a consortium of higher education institutions and state agencies that will offer expertise, research and innovations in support of the U.S. Army Futures Command in Austin, the U.S. Army announced Friday (July 13) from the Pentagon.

During a press conference at the Pentagon, Army officials said the effort leverages higher education offerings in Texas with private sector innovation, cutting-edge science and technology, prototyping and demonstrations and warfighter testing and feedback.

“The Texas A&M System is ready to support Army Futures Command,” Texas A&M University System Chancellor John Sharp said. “This is a great day for the state of Texas. Government and academic leaders came together to offer an unbeatable combination of talent and resources.”
Sharp added that the Texas A&M System campuses in the region – including College Station, RELLIS, San Antonio and Central Texas – as well as the Texas A&M Transportation Institute, Texas A&M Engineering Experiment Station and Texas A&M Engineering Extension Service will bolster the core mission of the Army Futures Command. The Texas A&M contribution will give American soldiers a technological advantage to bolster national security.

To view the complete story, please visit the TEES website.

Texas A&M Professor Researching Mobile Applications Security

Smartphones, tablets, iPads – mobile devices have become invaluable to the everyday consumer. But few consider the security issues that occur when using these devices.

Modern mobile applications or “apps” use cloud-hosted HTTP-based application programming interface (API) services and heavily rely on the internet infrastructure for data communication and storage. To improve performance and leverage the power of the mobile device, input validation and other business logic required for interfacing with web API services are typically implemented on the mobile client. However, when a web service implementation fails to thoroughly replicate input validation, it gives rise to inconsistencies that could lead to attacks that can compromise user security and privacy. Developing automatic methods of auditing web APIs for security remains challenging.

Dr. Guofei Gu, associate professor in the Department of Computer Science and Engineering at Texas A&M University and director of the SUCCESS lab, together with his doctoral students Abner Mendoza and Guangliang Yang, are working to combat these security issues.

Gu and his team analyzed 10,000 mobile apps and found that many of them are open to web API hijacking – something that potentially affects the privacy and security of tens of millions of business users and consumers globally.

To view the complete story, please visit the TEES website.

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.