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.

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.

**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/year for TAMU PI

**DOD**

*DARPA Disruption Opportunity Special Notice: Imaging Through Almost Anything, Anywhere (ITA3)* (link) – Due September 11, 2017 – See Section II and Section IX of BAA HR001117S0040 for information on awards that may result from proposals submitted in response to this notice.

*DARPA Disruption Opportunity Special Notice: Fundamental Design (FUN DESIGN)* (link) – Due September 11, 2017 – See Section II and Section IX of BAA HR001117S0040 for information on awards that may result from proposals submitted in response to this notice.

*Army Proof of Concept Commercialization Pilot Program Innovation Corps @ Department of Defense (I Corps @ DoD)* (link) – Due September 15, 2017 – Award size will not exceed
$70,000. Up to 10 awards are anticipated for FY 16. All awards will have a performance period of 12 months.

**Defense Intelligence Agency DIA INNOVATION Agency-Wide** ([link](#)) – BAA Open until November 26, 2018, to be reviewed annually; Step I: White papers will be accepted throughout the BAA Open Period – Multiple awards are anticipated although no commitments or promises are made in this regard. It is anticipated that awards will also be made by other Agencies in addition to DIA.

**ONR National Oceanographic Partnership Program (NOPP) 2018 Broad Agency Announcement** ([link](#)) – Full Due for Topics 1&2 October 16, 2017; LOI for Topic 3 Due October 16, 2017 with the Full Due January 29, 2018 – Topic 1: Individual Award Amount Range: $150,000 per year; Topic 2: Individual Award Amount Range: $300,000 - $700,000 per year; Topic 3: Individual Award Amount Range: Up to $500,000 per year

**DOE**

**ARPA-E Innovative Development in Energy-related Applied Science (IDEAS) Modification 2** ([link](#)) – Concept Paper Due September 30, 2017 – ARPA-E expects that approximately $7.5 million will be available for new awards through FY17 (September 30, 2017), subject to the availability of appropriated funds.

**NASA**

**SpaceTech-REDDI-2017 Appendix E1: Smallsat Technology Partnerships** ([link](#)) – Mandatory NOI Due August 21, 2017, Full Due September 20, 2017 – Maximum of $200,000 each year for up to two years ($400,000 maximum) per award.

**Cooperative Agreement Notice (CAN) 2017 Dual Use Technology Development at NASA John C. Stennis Space Center** ([link](#)) – Open until September 30, 2017; NOI required – NASA plans to fund projects in FY2017 at approximately $25,000 to $75,000 per project with a period of performance of 12 months.

**NIH**

**NIAID Research Education Program (R25)** ([link](#)) – LOI Due November 6, 2017; Application Due December 6, 2017 – Application budgets need to reflect the actual needs of the proposed project and are limited to $325,000 direct costs/year for each award.

**Development of a Device to Objectively Measure Pain (SBIR R43/R44)** ([link](#)) – 30 Days Prior to Application Due Date; Application Due December 5, 2017 – 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.

**Development of a Device to Objectively Measure Pain (STTR R41/R42)** ([link](#)) – 30 Days Prior to Application Due Date; Application Due December 5, 2017 – 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.

**NSF**

**Emerging Frontiers in Research and Innovation 2018 (EFRI 2018): Chromatin and Epigenetic Engineering (CEE) and Continuum, Compliant, and Configurable Soft Robotics Engineering (C3 SoRo)** ([link](#)) – LOI Due September 29, 2017; Prelim Due October 25, 2017; Full Due February 23, 2018 – Anticipated Funding Amount: $26,000,000
Louis Stokes Alliances for Minority Participation (link) – Full Due for Bridge to the Doctorate (BD) Activity: November 3, 2017; Full Due for New and Renewal LSAMP Pre-Alliance Planning, Bridge to the Baccalaureate (B2B), STEM Pathways Implementation-Only Projects: November 17, 2017; Full Due for STEM pathways and Research Alliances: January 26, 2018; Full Due for Louis Stokes Regional Centers of Excellence in Broadening Participation: January 26, 2018 – Award Ceiling: $4,500,000

Division of Materials Research: Topical Materials Research Programs (DMR-TMRP) (link) – Full Due October 1, 2017 - November 1, 2017 – Approximately $55,000,000 pending availability of funds. Average award sizes vary greatly among Programs since they may fund different proportions of standard vs. continuing grants.

Smart and Autonomous Systems (S&AS) (link) – Due December 11, 2017 – Foundational projects are anticipated to range from $350,000 to $700,000 in total costs for up to three years. Integrative projects are anticipated to range from $500,000 to $1,400,000 in total costs for up to four years.

Advanced Technological Education (ATE) (link) – Full Due October 5, 2017 – Anticipated Funding Amount $59,000,000

Requests for Information/Notices of Intent

IARPA Compact Magnetometer RFI (link) – Responses Due August 25, 2017

IARPA Rapid Detection Nucleic Acid Signatures (RaDNAS) RFI (link) – Responses Due September 22, 2017

DOE Request for Information: Clean Water Technologies (link) – Responses Due August 28, 2017

Student/Postdoctoral Opportunities

DOE SunShot Science and Technology Policy Fellowships (link) – Applications accepted on rolling basis with two annual review dates: January 15 and June 15 – Stipend, travel allowance, health insurance supplement

SME Foundation J.H. Fletcher & Co. Engineering Scholarship Fund (link) – Applications Due October 15, 2017 – The McIntosh Engineering Scholarship is a renewable scholarship with total potential funding of $12,000 per student: $5,000 for junior year and, subject to renewal approval, an additional $7,000 for senior year.

DOT Dwight David Eisenhower Transportation Fellowship Program (DDETFP) Graduate Fellowship (link) – Due August 28, 2017 – Award Ceiling: $35,500; Award Floor: $5,000

Congressional Briefing

The ASME Congressional Briefing on the DOD’s Manufacturing Engineering Education Grant Program was sponsored by the Senate and House Manufacturing Caucuses. A video recording of the event has been posted on the House Manufacturing Caucus’ YouTube page at https://www.youtube.com/watch?v=UuuW1U_7xwA, and additional information can be found on the House Manufacturing Caucus’ website at https://housemanufacturingcaucus-reed.house.gov/115th-congress-events (scroll to the bottom of the page).
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.

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## 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.

**NSF Emerging Frontiers in Research and Innovation Program – Informational Webinar**
September 7, 2017
12:00 p.m. - 1:30 p.m.
[Information and Registration](#)

**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

DoD Basic Research Office Science, Technology & Innovation Exchange
August 24-25, 2017
ByteCubed Meeting Facility, 2231 Crystal City Drive, Suite 401, Arlington, VA
Information and Registration

TAMU DOR NIH Proposal Writing & Feedback Groups
September 1, 2017 – Application Deadline
Full Schedule and Application Form – Participants will prepare a submission-ready grant
proposal (new or resubmission) for NIH submission deadlines in either February/March 2018
(fall semester groups) or June/July 2018 (spring semester groups).

TAMU DOR NIH Specific Aims Writing Clinic
September 5, 2017 (Kickoff Meeting)

TAMU 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
Research News

Embedded Shape Memory Alloy Sensory Particles May Better Detect Damage in Aircraft and Spacecraft

Most of us take flying in an airplane for granted. We book our tickets, sit through the long check-in lines, and if we’re lucky, take off on time to our chosen destination. Day in and day out we do this without any regard to the age and health of the airplane we’re flying on.

The airplanes that fly multiple flights a day incur wear and tear, such as cracks, in places not always easily seen. While there are standards and careful procedures in place to inspect aircraft for excessive wear and tear or minor defects, these important safeguards can be very expensive and time-consuming. A team of researchers at Texas A&M University is working to find a better method for detection of such cracks.

Dr. Darren Hartl, assistant professor in the Department of Aerospace Engineering and Dr. Ibrahim Karaman, department head and professor in the Department of Materials Science and Engineering at Texas A&M, have received a National Science Foundation (NSF) grant for nearly $400,000 to investigate the feasibility of embedding stress-sensitive active material particles into structural components to identify cracks the moment they occur. The project will be a part of the “Mechanics of Materials and Structures” program portfolio at the NSF.

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

College of Engineering Researchers Receive DOE Grants to Study Fossil Energy

Two proposals by researchers in the Texas A&M University College of Engineering received grants from the U.S. Department of Energy’s (DOE) National Energy Technology Laboratory (NETL) University Coalition for Fossil Energy Research (UCFER) program.

UCFER is part of a six-year, $20 million project awarded by NETL. The goals of the project are to identify, select, execute, review and disseminate knowledge from research that will improve
the efficiency of production and use of fossil energy resources while minimizing the environmental impacts and reducing greenhouse gas emissions.

Dr. Eric Petersen (principal investigator-PI), Nelson-Jackson Professor; and Dr. Waruna Kulatilaka (co-PI), associate professor; both in the Department of Mechanical Engineering, lead the project “Validation of CFD Models for Turbulent, Supercritical CO2 Combustion.”

Dr. Jaime Grunlan (co-PI), Linda & Ralph Schmidt ’68 Professor in the mechanical engineering department; and Dr. Benjamin Wilhite (co-PI), associate professor in the Department of Chemical Engineering, lead the project “Layer-by-Layer Functional Thin Film Coatings for Enhanced Light Gas Separations.”

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.