Funding Opportunities

http://teesresearch.tamu.edu/funding-opportunities/

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 Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32) – Email of Intent Due February 24, 2017; Internal Proposal Due March 3, 2017

Limited Submission NIH-NIGMS Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (T34) – Email of Intent Due February 22, 2017; Internal Proposal Due March 1, 2017

Limited Submission The Arnold and Mabel Beckman Foundation 2018 Beckman Scholars Program – Email of Intent Due March 22, 2017; Internal Proposal Due March 24, 2017

The Arnold and Mabel Beckman Foundation

Limited Submission 2018 Beckman Scholars Program (link) – Deadline: June 15, 2017

TEES Research Development – Proposal Development Assistance

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.

Take the TEES Research Development Survey

Please help us improve the Engineering Research Digest and TEES Research Development services. The survey should only take 5-10 minutes to complete.

Please click here to take the survey.

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DOC
**NIST FY 2017 Small Business Innovation Research (SBIR) Program – Phase II** ([link](#)) – Due April 14, 2017 – To apply for a Phase II award, each Phase I awardee is required to submit a comprehensive application outlining the research. Each NIST Phase II award is for up to $300,000 and up to a 24-month period of performance.

**DOD**

**Director for Defense Intelligence Technical Collections and Special Programs (DDI TCSP) FY 18 Call for Projects** ([link](#)) – Due April 3, 2017 – Recent funding levels have varied from $50,000 to $1,500,000 – *If you wish to partner with collaborators at the Army Research Lab for this opportunity, please contact Dr. Narasimha Reddy (reddy@tamu.edu).*

**ERDC Broad Agency Announcement** ([link](#)) – Due January 31, 2018

**DoD Precision Trauma Care Research Award** ([link](#)) – Pre-Application Due March 17, 2017 – The anticipated total costs (direct and indirect) budgeted for each Phase will not exceed $1.5 million (M). The maximum anticipated total costs (direct and indirect) for all Phases are $4.5M.

**ONR Electronic Warfare Technology** ([link](#)) – White Papers Due February 21, 2017 – ONR plans to fund approximately $9,000,000 per year (Areas 1 through 5) using some combination of Budget Category 6.2 and Budget Category 6.3 funds.

**Army Defense Forensic Science Center Broad Agency Announcement for Basic, Applied, and Advanced Research** ([link](#)) – White Paper and Quad Chart encouraged; Open Continuously until October 15, 2021 – Funding of research and development (R&D) within Program areas of interest will be determined by funding constraints and priorities set during each budget cycle. Due to Government budget uncertainties, no specific dollars have been reserved for awards under this BAA.

**DOE**

**SBIR/STTR FY 2017 Phase II Release 2** ([link](#)) – LOI Due March 15, 2017 – The anticipated average award will be approximately $1,000,000.

**Community Science Program (CSP): Small-Scale Microbial/Metagenome Program** ([link](#)) – Due February 24, 2017

**Health Effects Institute**

**Assessing Adverse Health Effects of Exposure to Traffic-Related Air Pollution, Noise, and Their Interactions with Socio-Economic Status** ([link](#)) – Prelim Due March 1, 2017 – Up to 4 years of funding for up to 5 studies with a funding cap of $1,000,000 each.

**IARPA**

**IARPA-Wide Research Broad Agency Announcement** ([link](#)) – Proposals accepted until May 2, 2017 – Multiple awards are anticipated under this BAA. Awards generally will be for a period of performance of 12 months or less. Resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.

**NASA**

**Early Career Faculty (ECF)** ([link](#)) – NOI Due March 3, 2017 – Typical Award Amount: $200,000 per year
NIH

**Limited Submission** NIH-NIGMS Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (T34) ([link](#)) – Due May 24, 2017; May 24, 2018 – Application budgets are not limited, but need to reflect the actual needs of the proposed project.

**Limited Submission** NIH Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32) ([link](#)) – LOI Due 30 Days Prior; Due May 25, 2017; May 25, 2018; May 25, 2019 – Application budgets are not limited, but need to reflect the actual needs of the proposed project.

NSF

Robert Noyce Teacher Scholarship Program ([link](#)) – Full Due August 29, 2017 – Total Amount Available $58,000,000 annually for new Noyce awards, subject to the availability of funds.

**Building Community and Capacity in Data Intensive Research in Education (BCC-EHR) ([link](#))** – Full Due March 15, 2017 – Total amount Available $2,500,000

**Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences (CDS&E-MSS) ([link](#))** – Due November 25, 2017 - December 11, 2017 – PD 16-8069

Transportation Research Board (TRB)/The National Academies of Sciences, Engineering, and Medicine

**IDEA Program Announcement 2017 ([link](#))** – The Transit IDEA program has two review cycles in 2017; proposals are due May 1 and November 1, 2017. NCHRP IDEA proposals are due March 1, 2017 and September 1, 2017 depending on which of the two funding cycles is targeted. The Rail Safety IDEA program has one review cycle per year. Proposals are due September 15, 2017. - The Transit IDEA program and the Rail Safety IDEA program can consider Type 1 and Type 2 proposals for up to $100,000 in IDEA costs, not including any cost sharing. The NCHRP Highway IDEA has an upper limit of $150,000 for Type 1 projects, while Type 2 projects are limited to a maximum of $100,000 and also require significant cost sharing (at least a 50% match to the proposed NCHRP IDEA budget).

**Student/Postdoc Opportunities**

**Thesis and Dissertation Formatting Workshop**

Thesis and Dissertation Services is providing another series of workshops on formatting using the templates. The first in the series titled "Writing the Thesis in Word" is to be held **Monday, February 20, 2017 from 1:00 p.m. - 2:30 p.m. in Evans Library 612.**

The workshop will be streamed via Collaborate Ultra in eCampus. Students can attend (beginning at 12:30 p.m.) via the provided link: [https://us.bbcollab.com/guest/4497E439E10130E16362199B0C75A14D](https://us.bbcollab.com/guest/4497E439E10130E16362199B0C75A14D). The presentation will be recorded and posted on the OGAPS website as well.

American Society of Naval Engineers (ASNE) Scholarship Program (link) – Application Deadline: March 1, 2017 – A combination of undergraduate scholarships ($3,000 per year) and graduate scholarships ($4,000 per year) are awarded each academic year.

Armed Forces Communications and Electronics Association (AFCEA) Science, Technology, Engineering, and Math (STEM) Majors Scholarships for Undergraduate Students (link) – Application Deadline: April 22, 2017 – Scholarship awards are subject to availability of funding. Scholarship awards are restricted to tuition, laboratory fees, mandatory fees and books.

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<th>Funding Opportunities Spreadsheet</th>
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Based on what has appeared in the Engineering Research Digest in the past year, TEES Research Development has created a funding opportunities spreadsheet to help faculty with proposal planning. The spreadsheet lists the funding agency, name of grant, open date (month the proposal was announced), due date, limited submission or YIP, and website, if available. To view the spreadsheet, please visit our website. If you have questions or feedback on ways to improve the spreadsheet, please email us at researchnews@tees.tamu.edu.

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<th>Looking for Collaborators</th>
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Dr. Choongho Yu (MEEN) is looking to collaborate on the following proposal. He has expertise in building CO2 sensors.

DE-FOA-0001737: Saving Energy Nationwide in Structures with Occupancy Recognition (SENSOR)

If you are interested, please contact Dr. Yu at chyu@tamu.edu.

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<th>Proposers Days/Webinars</th>
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NSF Emerging Role of Mobile Phones in Health Webinar
February 15, 2017
1:00 p.m. - 2:00 p.m.
Information and Registration

DARPA RadioBio Proposers Day Webcast
February 21, 2017
12:00 p.m. - 1:30 p.m.
Information
Registration – Registration closes February 16.

DARPA Academic Research Roundtable
March 8, 2017
DARPA Conference Center
675 N. Randolph Street, Arlington, VA 22203

Information and Registration

**NSF ADVANCE Institutional Transformation Preliminary Proposal Preparation – Technical Assistance Webinar**
April 12, 2017 (Due date for IT-Preliminary Proposals)
8:00 a.m. - 5 p.m. ET
Information

**Upcoming Events/Workshops**

[http://teesresearch.tamu.edu/events/](http://teesresearch.tamu.edu/events/)

**TEES Research Development**

**Registration Open**

**NSF CAREER and Other Young Investigator Programs Seminar**
March 3, 2017
8:00 a.m. - 12:45 p.m.
Rudder Tower, Room 301
Registration – Light breakfast and refreshments will be served.

**Other Opportunities**

**NSF S-STEM 2017 "Flipped" Webinars**
Information

**NIH Peer Review: Advice from Experts**
February 23, 2017
2:00 p.m. - 3:30 p.m.
Rudder Tower, Room 601
Information and Registration – Registration closes at 2:00 p.m. on February 22.

**Bring-Your-Own-Code (BYOC) Workshop**
February 23, 2017
1:00 p.m. - 5:00 p.m.
Wisenbaker Engineering Building, Room 202
Information and Registration

**ARPA-E Energy Innovation Summit**
February 27 - March 1, 2017
Washington, D.C.
Information and Registration

**Writing Successful Proposals Workshops**
March 2, 2017
1:00 p.m. - 4:00 p.m.
Henderson Hall, Room 103
Information and Registration

NDIA Military Medicine Partnership Conference and Expo
March 7-8, 2017
Turf Valley Hotel and Convention Center, 2700 Turf Valley Road, Ellicott City, MD
Information and Registration

Smart Manufacturing™ and the Clean Energy Smart Manufacturing Innovation Institute
March 22, 2017
3:30 p.m. - 5:00 p.m.
Rudder Tower, Room 501
Information

2017 NSF CAREER Proposal Writer’s Group Inaugural Meeting
March 22, 2017
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Information and Registration

Demystifying the NSF
March 28, 2017
1:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Information and Registration

NSF Broader Impacts Workshop
April 12, 2017
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Information and Registration

Smart Grid Workshop – “Using Big Data in Smart Grids: The Next Steps”
April 18, 2017
8:00 a.m. - 5:00 p.m.
MSC
Information and Registration

Spring 2017 NIH Regional Seminar on Program Funding & Grants Administration
May 3-5, 2017
New Orleans Marriott, 555 Canal Street, New Orleans, LA
Information and Registration
Research News

Seeing Songs

When you think of art, mathematical algorithms may not be the first thing that comes to mind. Dr. Tim Davis set out to show the world that mathematics can, in fact, be beautiful. He is merging the two disciplines by crafting algorithms that convert songs into something you can actually see.

Davis, a professor in the Department of Computer Science and Engineering at Texas A&M University, is the creator of SuiteSparse, the widely-used package of sparse matrix algorithms.

Davis collects sparse matrices from real world applications to test his solvers and to understand their performance. In collaboration with Dr. Yifan Hu, principal research scientist at Yahoo! Labs, these matrices are converted into images via the open source graph visualization package, Graphviz. For this to work, electrical charges are placed on the nodes and springs on the edges. A physics simulation is then performed to find a low-energy state. Long edges are displayed in blue and short edges in red.

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