RESEARCH SERVICES

COLLEGE OF ENGINEERING

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EST. 1890

September 2018

Research, Funding News

NSF proposes $25M in grants to set up quantum foundries:The Convergent Accelerated Discovery Foundries for Quantum Materials Science, Engineering, and Information (Q-AMASE-i) program will allocate the funding as part of a cooperative agreement to establish research facilities where industry can partner with universities to accelerate development of novel quantum devices using materials science and rapid prototyping. The NSF says, "Of particular interest are new materials and device structures for transport of charge and spin, including valleytronics, spintronics, and low-power electronics."

NSF 2026 Idea Machine competition: Got an idea for science and engineering research? NSF 2026 is one of the agency's 10 Big Ideas for Future NSF Investments. Between Aug. 31 and Oct. 26, 2018, submit your entry at the NSF 2026 Idea Machine website.
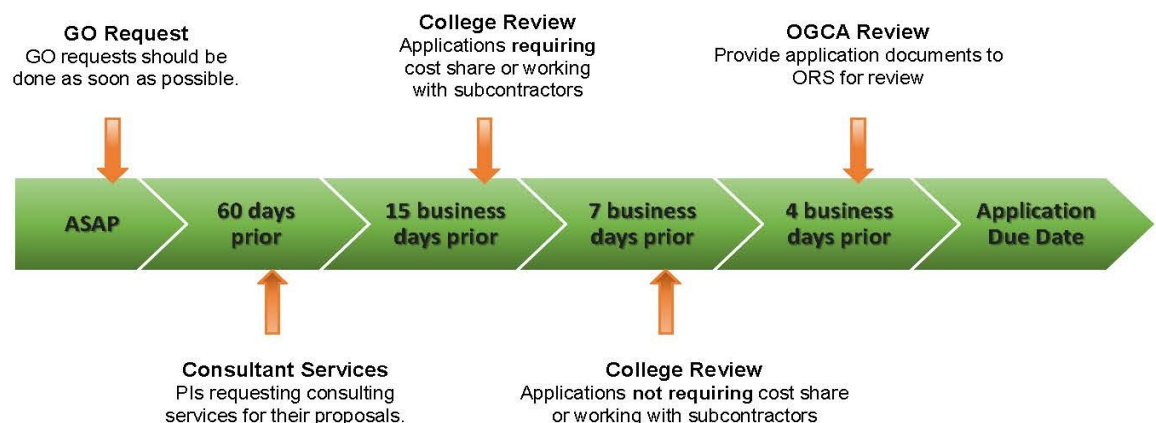
DARPA Announces $2 Billion Campaign to Develop Next Wave of AI Technologies: Over the next 12 months, DARPA plans to issue multiple Broad Agency Announcements for new programs that advance the state of the art in AI.

NIH Raps Bruce J. Tromberg, Ph.D., to Lead the National Institute of Biomedical Imaging and Bioengineering , more...

Senate Spending Bill Gives NIH $2 Billion Raise: The US Senate passed a spending bill that will increase the NIH budget by $2 billion to $39.1 billion-a 5.4 percent boost over the current level.

Google Unveils Search Engine for Open Data: The tool, called Google Dataset Search, should help researchers to find the data they need more easily.

Pre-Award Timeline and Process

GO Request
GO requests should be done as soon as possible.

College Review
Applications **requiring** cost share or working with subcontractors

OGCA Review
Provide application documents to ORS for review

| ASAP | 60 days prior | 15 business days prior | 7 business days prior | 4 business days prior | Application Due Date |

Consultant Services
PIs requesting consulting services for their proposals.

College Review
Applications **not requiring** cost share or working with subcontractors

https://engineering.unt.edu/faculty/research-services

Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: *Eduardo Blanco Villar*
Department: Computer Science & Engineering
Project Title: Short Text Classification in the Financial Domain
Sponsor: Harvest Exchange Corp.
Project Period: 8/15/2018   - 12/31/2018
Award: $18,413.00

PI: *Hassan Takabi*
Department: Computer Science & Engineering
Project Title: SaTC: CORE: Small: An Attribute-based Insider Threat Mitigation Framework
Sponsor: National Science Foundation - NSF
Project Period: 9/1/2018   - 8/31/2021
Award: $515,974.00

PI: *Krishna Kavi*
Co-PI: Song Fu, Hui Zhao
Department: Computer Science & Engineering
Project Title: MRI Collaborative: Development of ESPRIT - Emerging Systems' Performance and Energy Evaluation Instruments and Testbench
Sponsor: National Science Foundation - NSF
Project Period: 10/1/2018   - 9/30/2020
Award: 300,000.00

FUNDING OPPORTUNITIES

National Science Foundation

[CISE Research Infrastructure (CRI)](#)
Solicitation ID: NSF 17-581
Preliminary Proposal due: Nov 7, 2018
Full proposal due: Jan 10, 2019

[Office of Advanced Cyberinfrastructure (OAC): Research Core Program](#)
Solicitation ID: NSF 18-0567
Application due: Small: Nov 15, 2018

[Computing and Communication Foundations (CCF): Core Programs](#)
Solicitation ID: NSF 18-568
Application due: Small: Nov 15, 2018

[Computer and Network Systems (CNS): Core Programs](#)
Solicitation ID: NSF 18-569
Application due: Small: Nov 15, 2018

[Information and Intelligent Systems (IIS): Core Programs](#)
Solicitation ID: NSF 18-570
Application due: Small: Nov 15, 2018

[Collaborative Research in Computational Neuroscience (CRCNS)](#)
Solicitation ID: NSF 18-591
Application due: Nov 27, 2018

[NSF/Intel Partnership on Foundational Microarchitecture Research (FoMR)](#)
Solicitation ID: NSF 18-588
Full proposal due: Nov 28, 2018

[(Limited) Small Business Innovation Research Program Phase I (SBIR)](#)
Solicitation ID: NSF 18-593
Full proposal due: Dec 4, 2018

[(Limited) National Science Foundation Research Traineeship (NRT) Program](#)
Solicitation ID: NSF 18-507
Letter of Intent due: Nov 26-Dec 6, 2018
Full proposal due: Feb 6, 2019

[Smart and Connected Health(SCH)](#)
Solicitation ID: NSF 18-541
Full proposal due: Dec 11, 2018

[(Limited)Big Data Regional Innovation Hubs (BD Hubs)](#)
Solicitation ID: NSF 18-598
Application due: Dec 18,2018

[FY19 ADVANCE: Organizational Change for Equity in STEM Academic Professions (ADVANCE)](#)
Solicitation ID: updating
Letter of Intent due: Dec 12, 2018
Full proposal due: Jan 9, 2019

[Formal Methods in the Field (FMitF)](#)
Solicitation ID: NSF 18-596
Application due: Jan 15, 2019

[Secure and Trustworthy Cyberspace (SaTC)](#)
Solicitation ID: NSF 18-572
Application due: Full Proposal Accepted Anytime

[Innovation Corps - National Innovation Network Teams Program (I-CorpsTM Teams)](#)
Solicitation ID: NSF 18-515
Application due: Full Proposal Accepted Anytime

[NSF/FDA Scholar-in-Residence at FDA](#)
Solicitation ID: NSF 18-556
Application due: Full Proposal Accepted Anytime

FUNDING OPPORTUNITIES

National Science Foundation

Cyberinfrastructure for Biological Research (CIBR)
Solicitation ID: NSF PD 18-1165
Application due: Full Proposal Accepted Anytime

Biological and Environmental Interactions of Nanoscale Materials
Solicitation ID: PD 19-1179
Application due: Full Proposal Accepted Anytime

Communications, Circuits, and Sensing-Systems (CCSS)
Solicitation ID: PD 18-7564
Application due: Full Proposal Accepted Anytime

Energy, Power, Control, and Networks (EPCN)
Solicitation ID: PD 18-7607
Application due: Full Proposal Accepted Anytime

Molecular Separations
Solicitation ID: PD 19-1417
Application due: Full Proposal Accepted Anytime

National Institute of Health

Investigator Initiated Research in Computational Genomics and Data Science (R01 Clinical Trial Not Allowed)
Solicitation ID: PAR-18-844
Application due: LOI: Oct 16, 2018; Full proposal: Nov 16, 2018

Short-term Mentored Career Enhancement Awards in Mobile and Wireless Health Technology and Data Analytics: Cross-Training at the intersection of Behavioral and Social Sciences and STEM Disciplines (K18 Independent Clinical Trial Not Allowed)
Solicitation ID: PAR-18-881
Application due: Jul 12, 2019

Department of Defense

BROAD AGENCY ANNOUNCEMENT (BAA) for Extramural Biomedical Research and Development
Agency: DOD-AMRAA W81XWH-18-S-SOC1
Application due: Jul 31, 2023

National Aeronautics and Space Administration

Advanced Information Systems Technology (AIST-18)
Solicitation ID: NNH18ZDA001N-AIST
Application due: TBD

Samsung

The Global Research Outreach (GRO) Program invites the world's leading universities to propose research ideas in emerging fields. We judge ideas on basis of novelty and alignment with Samsung's research direction.
The Global Research Outreach (GRO) Program
Theme 1. Explainable artificial intelligence
Theme 2. Beyond 5G communication systems
Award: up to $120,000 for one year
Web submission open: Now
Application due: TBD

JUNIOR FACULTY AWARDS

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)
Solicitation ID: NIH PA-18-671
Application due: Standard dates (Apr 8, Aug 8, Dec 8)

Ralph E. Powe Junior Faculty Enhancement Awards
Eligibility: assistant professors within two years of their initial tenure track appointment at the time of application.
Award: $5,000
Application due: Jan 7, 2019

Army Research Office Young Investigator Program
Application due: Proposals may be submitted at any time. Per Broad Agency Announcement (BAA), through 3/31/2022.

Doctoral New Investigator (DNI) Grants
Eligibility: the first three years of the first academic appointment at the rank of Assistant Professor
Award: $110,000 over 2 years
Application window: Sep 24 - Oct 19, 2018

GRADUATE STUDENT FUNDING

Graduate Research Fellowship Program (GRFP)
Solicitation ID: NSF 18-573
Eligibility: U.S. citizen, national, or permanent resident
Award: three years of support during a five-year fellowship period. Currently, NSF provides a stipend of $34,000 to the Fellow and a cost-of-education allowance of $12,000 to the graduate degree-granting institution for each Fellow who uses the fellowship support in a fellowship year.
Application due: Oct 22, 2018

NASA Space Technology Research Fellowships (NSTRF) - Fall 2019
Eligibility: U.S. citizen, or permanent resident
Award: $80,000 per year
Application due: Nov 1, 2018

Graduate Research Fellowship Program (GRFP)
Eligibility: U.S. citizen
Award: NDSEG Fellowships last for a period of up to three years (based on continued funding), and covers full tuition and mandatory fees. Fellows also receive a monthly stipend ($3,200), and up to $1,200 a year in medical insurance.
Application due: Dec 7, 2018

WEBINAR, WORKSHOP & EXPO

NSF
Fall 2018 Grants Conference
November 8-9, 2018 New Orleans, LA

NIH
Fall 2018 NIH Regional Seminar
October 17-19, 2018 San Francisco, CA

20th Annual HHS SBIR/STTR Conference
Oct 20 - Nov 1, 2018 Dallas, TX

Spring 2019 NIH Regional Seminar
May 15-17, 2019 Baltimore, MD

DoD
SBIR/STTE Innovation Summit
October 23-25, 2018 Tampa, FL

DoE
Composites and Advanced Materials Expo
Oct 15-18, 2018 Dallas, TX

NIST
2018 NICE Conference and Expo
November 5-9, 2018 Location: TBD

2018 NICE K-12 Cybersecurity Education Conference
December 3-4, 2018 San Antonio, TX

SERDP
SERDP-ESTCP Symposium 2018
November 27– 29, 2018, Washington, D.C.

CyberMaryland Conference 2018
Oct 9-10, 2018 Baltimore, MD

FUNDING SEARCH ENGINES

Federal Grants World
https://grants.gov
PIVOT– 26,000 Funding Opportunity Database
https://pivot.cos.com
Fed biz opps– Federal Business Opportunities
https://www.fbo.gov