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Research, Funding News

**NSF Director Approaching Uncertain Tech Landscape with Confidence**: NSF Director France Córdova sat down with Nextgov to discuss the national AI strategy, the federal research ecosystem and the “very exciting” future of quantum computing. As for the funding, she said NSF will continue to do everything it can with the money at its disposal. The foundation’s budget has increased steadily in recent years, with Congress allocating some $8.1 billion in 2019, and includes specific set-asides for AI research. The White House specifically requested some $850 million for AI research at NSF and other civilian agencies in its 2020 budget proposal.

**NSF Convergence Accelerator Pilot**: The NSF C-Accel Pilot consists of three tracks, with each track aligned with one of NSF’s 10 Big Ideas. NSF is planning to fund approximately 50 Phase 1 awards (up to 9 months and up to $1 million each). The first-step to become part of the NSF C-Accel Pilot is to submit a 2-page Research Concept Outline (RCO), aligned with one of the tracks, with a target submission date of April 15, 2019.

**DARPA AI Next Campaign**: DARPA will create powerful capabilities for the DoD by attending specifically to the following areas: New Capabilities, Robust AI, Adversarial AI, High Performance AI, Next Generation AI. In addition to new and existing DARPA research, a key component of the campaign will be DARPA’s Artificial Intelligence Exploration (AIE) program, which was first announced in July 2018. AIE constitutes a series of high-risk, high payoff projects where researchers will work to establish the feasibility of new AI concepts within 18 months of award.

OGCA announces New Online Application for Limited Submissions Proposals.

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: Sanjukta Bhowmick**
**Department:** Computer Science and Engineering  
**Project Title:** SANDY: Sparsification-Based Approach for Analyzing Network Dynamics  
**Sponsor:** National Science Foundation  
**Project Period:** 2/13/2019 - 5/13/2019  
**Award:** $4,876.00

**PI: Sanjukta Bhowmick**
**Department:** Computer Science and Engineering  
**Project Title:** XPS: EXPL: FP: Collaborative Research: SPANDAN: Scalable Parallel Algorithms for Network Dynamics Analysis  
**Sponsor:** National Science Foundation  
**Project Period:** 03/15/2019 - 8/31/2019  
**Award:** $43,707.00

**PI: Anupama Kaul**
**Department:** Materials Science and Engineering, Electrical Engineering  
**Co-PI: Ifana Mahbub**  
**Department:** Electrical Engineering  
**Project Title:** Low-power, miniaturized RF components for wireless, communications and sensing systems to engage a broad cross-section of students for Navy-relevant STEM careers  
**Sponsor:** U.S. Office of Naval Research  
**Project Period:** 6/1/2019 - 5/31/2022  
**Award:** $750,000.00

**PI: Marcus Young**
**Department:** Materials Science and Engineering  
**Project Title:** Carbide Evolution in AF9628 Alloys  
**Sponsor:** Integrated Solutions for Systems, Inc.  
**Project Period:** 3/15/2019 - 9/30/2019  
**Award:** $15,000.00

**PI: Maurizio Manzo**
**Department:** Engineering Technology  
**Project Title:** Design, manufacture and testing of optical sensing systems-based spectroscopy for engineering technology curricula  
**Sponsor:** American Society for Engineering Education  
**Project Period:** 3/14/2019 - 11/18/2020  
**Award:** $2,500.00
National Science Foundation

Broadening Participation in Engineering (BPE)
Type of Award: Standard or Continuing Grant;
Anticipated award: $350K for 36 months;
Number of Awards: 8 to 10;
Solicitation ID: NSF PD 19-7680
Full Proposal Accepted Anytime

Planning Grants for Engineering Research Centers (ERC)
Type of Award: Standard Grant;
Anticipated Funding: $3M-$4M;
Number of Awards: 30 to 40;
Solicitation ID: NSF 19-562
Full proposal due: Jun 03, 2019

Real-Time Machine Learning (RTML)
Type of Award: Continuing Grant;
Anticipated Funding: $10M;
Number of Awards: 8 to 12;
Solicitation ID: NSF 19-566
Full proposal due: Jun 06, 2019

Next Generation Networks for Neuroscience (NeuroNex):
Technology-enabled, Team-based Neuroscience
Type of Award: Standard or Continuing Grant or Cooperative Agreement;
Anticipated Funding: $10M;
Number of Awards: 3 to 5;
Solicitation ID: NSF 19-563
Preliminary Proposal due: Jun 14, 2019
Full proposal due: Dec 13, 2019

(Limited) Science and Technology Centers: Integrative Partnerships
Type of Award: Cooperative Agreement - initial commitment of 5 years with the possibility of a 5-year continuation;
Limit on Number of Proposals per Organization: 3
Anticipated Funding: $25M;
Number of Awards: up to 5 centers;
Solicitation ID: NSF 19-567
Preliminary Proposal due: Jun 25, 2019
Full Proposal due: Jan 27, 2020

Smart and Connected Communities (S&CC)
Type of Award: Standard or Continuing Grant or Cooperative Agreement;
Anticipated Funding: $43M;
Number of Awards: 35 to 45;
Solicitation ID: NSF 19-564
Letter of Intent due: Aug 06, 2019
Full proposal due: Sep 06, 2019

Harnessing the Data Revolution (HDR): Institutes for Data-Intensive Research in Science and Engineering - Frameworks (I-DIRSE-FW)
Type of Award: Standard or Continuing Grant;
Anticipated Funding: $21M;
Number of Awards: 8 to 10;
Solicitation ID: NSF 19-549
Full proposal due: May 07, 2019

Growing Convergence Research (GCR)
Type of Award: Cooperative Agreement;
Anticipated Funding: $12M;
Number of Awards: 10;
Solicitation ID: NSF 19-551
Full proposal due: May 08, 2019

Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE)
Type of Award: Standard Grant;
Anticipated Funding: $4.5M;
Number of Awards: 12-15;
Solicitation ID: NSF 19-546
Full proposal due: May 09, 2019

EHR Core Research (ECR): Production Engineering Education and Research (PEER)
Type of Award: Standard Grants
Anticipated Funding: $10M;
Number of Awards: 10;
Solicitation ID: NSF 19-557
Full proposal due: May 15, 2019
FUNDING OPPORTUNITIES

National Science Foundation

**Signals in the Soil (SitS)**
Type of Award: Standard or Continuing Grant;
Anticipated Funding: $5.6M;
Number of Awards: 5 to 10;
Solicitation ID: NSF 19-556
Proposal due: May 15, 2019

(Limited) **ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions (ADVANCE)**
Type of Award: Standard or Continuing Grant or Cooperative Agreement;
Anticipated Funding: $30M;
Number of Awards: 18 to 38;
Solicitation ID: NSF 19-552
UNT Internal review for Pre-selection required;
Letter of Intent due: May 15, 2019

(Limited) **Partnerships for Innovation (PFI)**
Anticipated Funding: $20M;
Number of Awards: 55-65;
Solicitation ID: NSF 19-506
Full proposal due: Jul 10, 2019

**Dear Colleague Letter: Fundamental Discipline-Based Education Research (DBER) Focused on Undergraduate and Graduate STEM Education within the EHR Core Research (ECR) Program**
Type of Award: Standard or Continuing Grant;
Anticipated Funding: $35M;
Number of Awards: 50;
Solicitation ID: NSF 19-508
Full proposal due: Oct 03, 2019

National Institute of Health

**Bioengineering Research Grants (BRG) (R01 Clinical Trial Not Allowed)**
FOA Number: PA-19-158
Proposal Due: Standard dates apply

**Undergraduate Research Training Initiative for Student Enhancement (U-RISE) (T34)**
Eligibility: trainees who are earning a baccalaureate degree at research-active institutions and who intend to complete a biomedical research higher degree program (e.g., Ph.D., or M.D./Ph.D.).
Award: Award budgets are composed of stipends, tuition and fees, and institutional allowance.
FOA Number: PAR-19-218
Proposal Due: May 21, 2019

(Limited) **Team-Based Design in Biomedical Engineering Education (R25 Clinical Trial Not Allowed)**
Anticipated award: Direct costs of $20K per year, up to five years;
Limit on Number of Proposals per Organization: 1
FOA Number: PAR-19-215
Letter of Intent Due: Apr 29, 2019
Proposal Due: May 31, 2019

**Summer Research Education Experience Program (R25 Clinical Trial Not Allowed)**
Anticipated award: Direct costs of $100K per year, up to five years;
FOA Number: PAR-19-197
Proposal Due: Apr 23, 2019

**Summer Research Education Experience Program (R25 Clinical Trial Not Allowed)**
Anticipated award: Direct costs of $100K per year, up to five years;
FOA Number: PAR-19-164
Proposal Due: May 25, 2019, Sep 25, 2019
**Department of Defense**

**FY2020 Department of Defense Multidisciplinary Research Program of the University Research Initiative (ONR)**
Solicitation ID: N00014-19-S-F005
White paper Due: Jun 03, 2019
Proposal Due: Sep 13, 2019

**FY19 Office of Naval Research (ONR) Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program**
Solicitation ID: N00014-19-S-F003
White Paper Due: Jun 28, 2019
Proposal Due: Sep 27, 2019

**Long Range BAA (ONR)**
Solicitation ID: ONR N00014-19-S-B001
Proposal Due: Sep 30, 2019

**ARO Broad Agency Announcement (BAA) for Fundamental Research (Amendment 4)**
Solicitation ID: W911NF-17-S-0002

**Grounded Artificial Intelligence Language Acquisition (GAILA)**
Solicitation ID: DARPA-PA-18-02-06
Presolicitation Response Due: Apr 26, 2019

**NASA**

**Mars Data Analysis (ROSES 2019)**
Solicitation: NNH19ZDA001N-MDAP
Step 1 Proposal Due: Aug 22, 2019
Step 2 Proposal Due: Oct 24, 2019

**Junior Faculty Awards**

**Faculty Early Career Development Program (CAREER)**
Application due: BIO, CISE, HER: Jul 17, 2019; ENG Jul 18, 2019; GEO, MPS, SBE: Jul 19, 2019

**Air Force Fiscal Year 2020 Young Investigator Research Program (YIP)**
Anticipated award: Up to $150K per year for three years;
Expected Number of Awards: 37
Solicitation ID: FOA-AFRL-AFOSR-2019-0003
Proposal Due: Jun 03, 2019

**Department of Energy**

**Water Power Technologies Office 2019 Research Funding Opportunity**
FOA number: DE-FOA-0002080
Informational Webinar: Apr 11, 2019
Concept Paper Due: May 13, 2019
Full proposal due: Jul 9, 2019
WEBINAR, WORKSHOP & EXPO

NSF
Real-Time Machine Learning (RTML) Webinar
April 3rd, 2019 3pm to 4pm Eastern Time
Please register by Midnight on Tuesday April 2, 2019 to ensure your registration is processed.

NSF Seventh eRA Forum: Separately Submitted Collaborative Proposals from Multiple Organizations on Research.gov
April 10, 2019 1pm-2:15pm Eastern Time
Registration for the webinar is now available.

CAREER Webinar 2019
May 9, 2019, 2pm -4 pm Eastern Time

Spring 2019 NSF Grants Conference
May 20-21, 2019 Los Angeles, CA

US Ignite Application Summit and Smart and Connected Spring Conference
Apr 1-4, 2019 Denver, CO

Enabling Health Technologies Summit
May 2nd, 2019 3pm at Discovery Park
Sponsored by UNT Office for Faculty Success and College of Engineering

NIH
Spring 2019 NIH Regional Seminar
May 15-17, 2019 Baltimore, MD
Registration is open.

DOD
SBIR/STTR Innovation Summit
October 8-10, 2019 National Harbor, MD

FUNDING SEARCH ENGINES

Federal Grants World
https://grants.gov

PIVOT–26,000 Funding Opportunity Database
https://pivot.proquest.com

Fed biz opps–Federal Business Opportunities
https://www.fbo.gov