

## Inside This Issue:

News	1
Recently Awards	2
Funding Opportunities	3
Continued	4
Continued	5
Conferences	6

## Research, Funding News

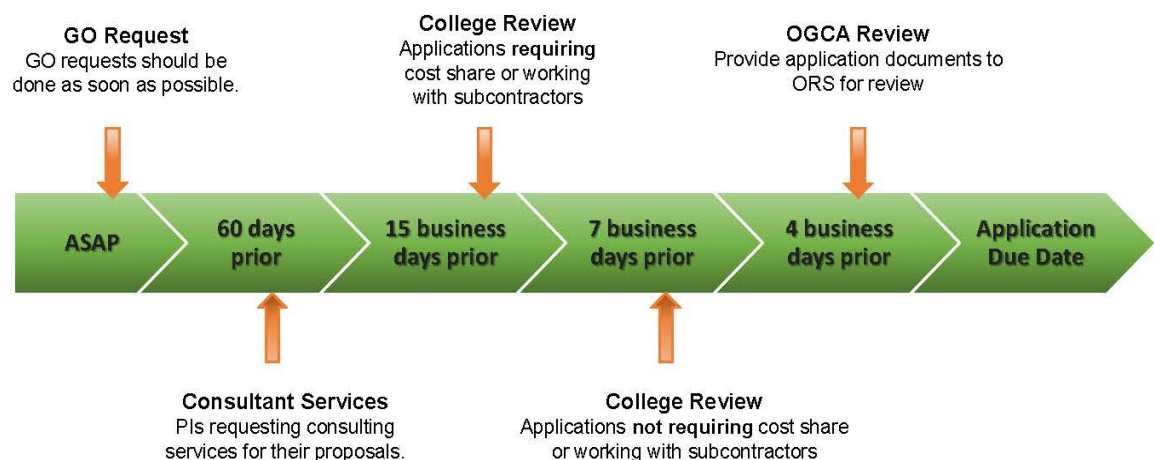
**NSF Director Approaching Uncertain Tech Landscape with Confidence:** NSF Director France Córdoba sat down with Nextgov to discuss the national AI strategy, the federal research ecosystem and the “very exciting” future of quantum computing. As for the funding, she said NSF will continue to do everything 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



# 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

# FUNDING OPPORTUNITIES

## 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

# FUNDING OPPORTUNITIES

## 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

## 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

## 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

# 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/STTE 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>