Research, Funding News

NSF published “Dear Colleague Letter: Guidance for Computer and Information Science and Engineering (CISE) Proposers to the Faculty EarlyCareer Development (CAREER) and CISE Research Initiation Initiative (CRII) Programs”. (NSF 20-092) CISE encourages candidates to submit their first CAREER proposals within two years of starting their tenure-track appointments. CRII awards are not intended to be, and should not be viewed as, prerequisites for CAREER awards.

NSF has extended some of the upcoming proposal deadlines including CAREER. In addition, NSF are aiming to provide maximum flexibility in all cases and ask that any principal investigator urgently in need of an extension please contact their program manager as soon as possible.

Starting July 2020, all proposals will be fully routed to department/s and college for review in Cayuse SP before being sent to GCA. Proposals requesting (i) any cost share or match, (ii) buy-out or release from teaching, (iii) new or renovated space, (iv) modification of indirect cost (F&A/IDC) distribution, or (v) modification of programs or courses will need department/s and college’s approval. PI should send the above request/s to department chair and the Associate Dean for Research 10 to 14 days prior to the agency deadline.

Grant Application Process

[Diagram showing the Grant Application Process]

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

Department and College Review
Applications requiring cost share, buy-out or release from teaching, modification of IDC distribution

College Review
Applications not requiring additional approval

Consultant Services
Pis requesting consulting services for their proposals

Department and College Review
Applications requiring new or renovated space, modification of programs or courses

OGCA Review
Provide application documents to GCA for review

https://engineering.unt.edu/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:** Building Cybersecurity Analytics Capacity in Big Data Era: Developing Hands-on Labs for Integrating Data Science into Cybersecurity Curriculum  
**Sponsor:** Georgia State University (NSF)  
**Project Period:** 4/1/2020 - 6/30/2020  
**Award:** $61,788.00

**PI:** Huseyin Bostanci  
**Co-PI:** Leticia Anaya, Maurizio Manzo  
**Department:** Engineering Technology  
**Project Title:** NPI-UNT Partnership on Research Experiences and Outreach Programs  
**Sponsor:** Texas A&M Engineering Experiment Station  
**Project Period:** 5/1/2020 - 8/31/2021  
**Award:** $149,741.00

**PI:** Srinivasan Srivilliputhur  
**Co-PIs:** Rajarshi Banerjee, Michael Baskes  
**Department:** Materials Science & Engineering  
**Project Title:** An Atomic Bonding Informed Approach to Rewrite the Rules of Solid-Solution and Precipitation Strengthening  
**Sponsor:** Air Force Office of Scientific Research - AFOSR  
**Project Period:** 6/22/2020 - 6/21/2023  
**Award:** $1,048,322.00

**PI:** Xuan Guo  
**Co-PI:** Armin Mikler  
**Department:** Computer Science & Engineering  
**Project Title:** A Computational Framework for Protein Identification and Quantification in Metaproteomics Using Data-Independent Acquisition  
**Sponsor:** National Institutes of Health - NIH  
**Project Period:** 7/1/2020 - 1/31/2023  
**Award:** $361,302.00

**PI:** Sanjukta Bhowmick  
**Department:** Computer Science & Engineering  
**Project Title:** Collaborative Research: SHF Core: Medium: NetSplicer: Scalable Decoupling-based Algorithms for Multilayer Network Analysis  
**Sponsor:** National Science Foundation - NSF  
**Project Period:** 7/1/2020 - 6/30/2023  
**Award:** $320,042.00
FUNDING OPPORTUNITIES

National Science Foundation

Civic Innovation Challenge
Solicitation ID: NSF 20-0562
Track A. Communities and Mobility
Track B. Resilience to Natural Disasters
Anticipated Funding: $50K for four months
Number of Awards: 12 per track for stage 1
Full proposal due: Stage 1: Aug 3, 2020

Faculty Early Career Development Program (CAREER)
Anticipated Funding: $250M;
Number of Awards: 500;
Solicitation ID: NSF 20-525
Full proposal due: Aug 11, 2020

Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)
Anticipated Funding: $10M;
Number of Awards: 55 to 60
Each award will be up to $175,000 for a period of 24 months.
Solicitation ID: NSF 19-579
Full proposal due: Aug 12, 2020

Disaster Resilience Research Grants (DRRG)
Anticipated Funding: $3.1M;
Number of Awards: 8-12;
Solicitation ID: NSF 20-581
LOI due: Aug 14, 2020
Full proposal due: Sep 15, 2021

Research Experiences for Undergraduates (REU)
Anticipated Funding: $76M;
Number of Awards: 1,750 to 1,800 (180 new Site awards and 1,600 new Supplement awards)
Solicitation ID: NSF 19-582
Full proposal due: Aug 26, 2020

Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences (CDS&E-MSS)
Solicitation ID: PD 18-8069
Full proposal due: Sep 15, 2020

PFE: Research Initiation in Engineering Formation (PFE: RIEF)
Anticipated Funding: $200k for 24 months; 15 awards;
Solicitation ID: NSF 20-558
Full proposal due: Nov 10, 2020

(Limited) Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)
Anticipated Funding: $2M - $3M;
Number of Awards: 1-3;
Solicitation ID: NSF 20-569
LOI due: Oct 05, 2020
Full proposal due: Jan 26, 2021

DCL: Encouraging Mid-scale Research Infrastructure in Computer and Information Science and Engineering
CISE encourages the community to prepare for potential future opportunities like the NSF Mid-scale RI programs (NSF 19-537, NSF 19-542). CISE emphasizes interest in innovative and integrative mid-scale RI projects in areas not already well-supported by existing programs and guided by the following principles: Science-driven, Holistic and integrative, Service, performance, and sustainability oriented.

DCL: Supporting Research on Pandemics within the Civic Innovation Challenge and Broadened NSF Support for the Challenge
NSF encourages resilience track within CIVIC (NSF 20-0562) to leverage the challenges introduced by COVID-19 to pursue associated community-level changes, either in resilience to pandemics or mobility in the face of pandemics.
FUNDING OPPORTUNITIES

National Institute of Health

Notice of Special Interest (NOSI): Emergency Competitive Revisions for Community-Engaged Research on COVID-19 Testing among Underserved and/or Vulnerable Populations
Solicitation ID: NOT-OD-20-120
Award: Up to $700K in direct cost for two years
Application due: Aug 07, 2020, Sep 08, 2020

Digital Healthcare Interventions to Address the Secondary Health Effects Related to Social, Behavioral, and Economic Impact of COVID-19 (R01 - Clinical Trial Optional)
Solicitation ID: PAR-20-243
Award: $750K direct costs per year for up to three years
Application due: Aug 20, 2020, Dec 02, 2020

NCI Small Grants Program for Cancer Research for Years 2020, 2021, and 2022 (NCI Omnibus R03 Clinical Trial Optional)
FOA: PAR-20-052
Award: $50K per year for up to two years
Application due: Oct 20, 2020

Department of Defense

CCDC-ARL MANUFACTURING TECHNOLOGY FOA
Solicitation ID: W911NF-20-S-0011
Closing Date: Sep 30, 2023

Future Scholars for Science, Technology, Engineering, and Mathematics (STEM) Workforce Development Programs
Solicitation ID: FOA20AFRLRVKE0001
Closing Date: Jun 17, 2025

Department of Energy

DE-FOA-0002336: RESEARCH AND DEVELOPMENT FOR ADVANCED WATER RESOURCE RECOVERY SYSTEMS
Concept Paper due: 8/4/2020
Full Application due: 10/6/2020

DE-FOA-0002324: BUILDING TECHNOLOGIES PROVING GROUND – PUBLIC SECTOR FIELD VALIDATION
Concept Paper due: 7/27/2020
Full Application due: 9/28/2020

DE-FOA-0002329: ASSISTING FEDERAL FACILITIES WITH ENERGY CONSERVATION TECHNOLOGIES (AFFECT) 2020
Full Application due: 7/31/2020

NASA

ROSES 2020: Solar Irradiance Science Team
Solicitation: NNH20ZDA001N-SIST
NOI due: Aug 07, 2020
Proposal due: Sep 11, 2020

Johnson & Johnson Women in STEM²D Scholars Program
Eligibility: You must be an assistant female professor or global equivalent faculty position at the time of application at an accredited academic university, institution or design school.
Award: $150K for three years;
Application: Sep 03 - Oct 03, 2020

Microsoft AI for Earth
GEO BON and AI for Earth: partnering with GEO BON to launch a new US$1 million grant program for projects that monitor biodiversity and create Essential Biodiversity Variables.
AI for Earth Innovation Grant: support novel projects that use AI tools to address climate change or biodiversity challenges.
Proposals are accepted on a rolling basis and review them four times a year.
Application: July 06, 2020, Oct 05, 2020
CONFERENCE, WORKSHOP & MORE

UNT Building the Research Enterprise and Knowledge Sessions (BREAKS)
BI-Weekly Zoom Discussions in July:

1. **Securing Institutional Data 101: What do you need to know?**
   Thu, 07/02/2020 - 4:00 - 5:00pm

2. **Research Interest Group Meeting CREEHS**
   Mon, 07/13/2020 - 2:00 - 3:30pm

**Webinar for NSF IUSE: HER program**
Program Overview with a Focus on Level 1 and Building Capacity Submissions, Including New to IUSE: EHR submissions
July 16, 2020 | 2:00 to 3:30pm

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

Nine Sigma—Open Innovations Community
www.ninesigma.com