RESEARCH SERVICES

COLLEGE OF ENGINEERING

UNT

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November 2019

Research, Funding News

FastLane and Research.gov will be unavailable from Friday, November 8 at 8:00 PM EST until Tuesday, November 12 at 6:00 AM EST. During this outage, there will be no access to these websites, proposals cannot be submitted in FastLane or Research.gov. Considering this and the volume expected for the NSF Core program submissions, OGCA will start reviewing proposals due Nov 14th between Nov 6th - Nov 8th.
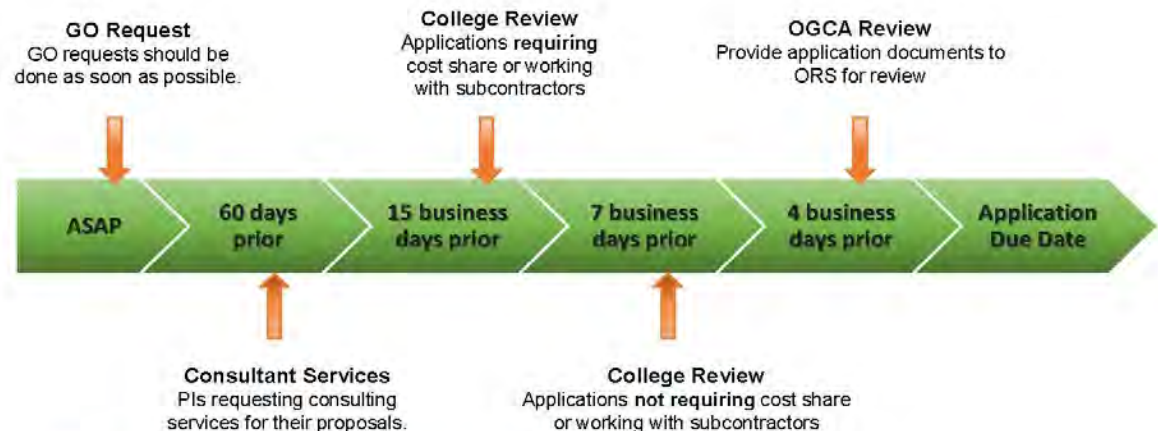
Our Faculty are invited to register for one of two grant proposal planning and writing workshops on Monday, Dec 9th, 2019 and Thursday, Feb 27th, 2020. The Office of Research and Innovation is partnering with the distinguished AtKisson Training Group LLC, to deliver a one-day grant writing workshop focused on proposal preparation and review processes that lead to increased external funding submission success.

The Office of the President, Office of the Provost, Office of Research and Innovation, and the Division of Advancement will host a **Research Mixer from 4 to 6 pm on Thursday, Nov 7th** in the Presidential Suite at the University Union, Room 406. Faculty researchers will have the opportunity to network, with the goal of forming collaborative partnerships.

FY20 Appropriations Bills: NASA In their fiscal year 2020 spending legislation, the House and Senate are both proposing stable funding for NASA's Science Mission Directorate, though the funding level Senate appropriators have proposed for the Wide Field Infrared Survey Telescope could result in a delayed launch.

FY20 Appropriations Bills: STEM Education The House and Senate have advanced spending bills that would provide steady or increased funding to most major STEM education programs across the federal government.

Pre-Award Timeline and Process

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

Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: *Shengli Fu*
Department: Electrical Engineering
Project Title: 8CAREER: Co-Design of Networking and Decentralized Control to Enable Aerial Networks in an Uncertain Airspace
Sponsor: University of Texas at Arlington
Project Period: 9/1/2019 - 5/31/2020
Award: $20,505.00

PI: *Rajiv Mishra*
Department: Materials Science and Engineering
Project Title: Advanced Metallic Materials and Processes Innovation (SBIR): Design of tool materials to enable FSW of Ni-based superalloys Phase I Proposal
Sponsor: QuesTek Innovations LLC
Project Period: 8/19/2019 - 2/18/2020
Award: $35,000.00

PI: *Armin Mikler*
Department: Materials Science and Engineering
Project Title: LA-County Web-REPLAN
Sponsor: Los Angeles County
Project Period: 9/30/2019 - 6/30/2020
Award: $26,016.00

FUNDING OPPORTUNITIES

National Science Foundation

[National Science Foundation Research Traineeship (NRT) Program](#)
Type of Award: Standard Grant;
Anticipated Funding: $45M;
Number of Awards: 14 to 15;
Solicitation ID: NSF 19-522
LOI due: Dec 6, 2019
Full proposal due: Feb 6, 2020

[Cyberlearning for Work at the Human-Technology Frontier](#)
Type of Award: Standard Grant;
Anticipated Funding: $15M;
Number of Awards: 20;
Solicitation ID: NSF 17-598
Full proposal due: Jan 13, 2020

[Training-based Workforce Development for Advanced Cyberinfrastructure (CyberTraining)](#)
Type of Award: Standard or Continuing Grant or Cooperative Agreement;
Anticipated Funding: $6M;
Number of Awards: 12 to 18;
Solicitation ID: NSF 19-524
Full proposal due: Jan 15, 2020

[Macrosystems Biology and NEON-Enabled Science (MSB-NES)](#)
Type of Award: Standard Grant;
Anticipated Funding: $9M-11M;
Number of Awards: 16 to 23;
Solicitation ID: NSF 20-503
Full proposal due: Jan 16, 2020 ; Nov 09, 2020

[Campus Cyberinfrastructure (CC*)](#)
Type of Award: Standard or Continuing Grant ;
Anticipated Funding: $14-20M;
Number of Awards: 29 to 53;
Solicitation ID: NSF 20-507
Full proposal due: Jan 21, 2020

[National Artificial Intelligence (AI) Research Institutes: Accelerating Research, Transforming Society, and Growing the American Workforce](#)
Type of Award: Standard Grant or Cooperative Agreement;
Anticipated Funding: $2M-$124M;
Number of Awards: 9 to 14;1-6 Institute Awards and approximately 8 Planning Grants;
Solicitation ID: NSF 20-503
Full proposal due: Jan 28, 2020 for Institute proposals; Jan 30, 2020 for Planning proposals

[(Limited) IUSE / Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED)](#)
Type of Award: Standard or Continuing Grant ;
Anticipated Funding: $8M;
Number of Awards: 4 to 6;
Solicitation ID: NSF 19-614
Full proposal due: Feb 07, 2020

[NSF/CASIS Collaboration on Transport Phenomena Research on the International Space Station (ISS) to Benefit Life on Earth](#)
Type of Award: Standard Grant;
Anticipated Funding: $3M;
Number of Awards: 7;
Solicitation ID: NSF 20-501
Full proposal submission window: Dec 09, 2019 - Mar 02, 2020

[NSF/CASIS Collaboration on Tissue Engineering and Mechanobiology on the International Space Station (ISS) to Benefit Life on Earth](#)
Type of Award: Standard Grant;
Anticipated Funding: $2M;
Number of Awards: 5;
Solicitation ID: NSF 20-500
Full proposal submission window: Dec 07, 2019 - Mar 02, 2020

FUNDING OPPORTUNITIES

Growing Convergence Research (GCR)
Type of Award: Cooperative Agreement ;
Anticipated Funding: $12M;
Number of Awards: 10;
Solicitation ID: NSF 19-551
Full proposal due: Feb 3, 2020

PFE: Research Initiation in Engineering Formation (PFE: RIEF)
Type of Award: Standard Grant or Continuing Grant ;
Anticipated Funding: $3M;
Number of Awards: 15;
Solicitation ID: NSF 17-514
Full proposal due: Feb 27, 2020

National Institute of Health

Explainable Artificial Intelligence for Decoding and Modulating Neural Circuit Activity Linked to Behavior (R01 Clinical Trial Optional)
FOA: PAR-19-344
LOI due: Feb 10, 2020
Full proposal due: Mar 10, 2020

NIH Blueprint for Neuroscience Research Education Program on Translational Devices (R25 Clinical Trial Not Allowed)
This NIH Research Education Program (R25) has a focus on Courses for Skills Development
FOA: RFA-NS-20-003
LOI due: Nov 16, 2019
Full proposal due: Dec 16, 2019

Department of Defense

Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science & Technology
Agency: DOD ONR N00014-20-S-B001
Published: Sep 26, 2019
Full Proposals will be accepted until Sep 30, 2020

NRL Long Range Broad Agency Announcement (BAA) for Basic and Applied Research
Agency: DOD NRL N00173-19-S-BA01
Published: Sep 06, 2019
Full Proposals will be accepted until Sep 05, 2020

Department of Energy

Solicitation on Topics Informing New Program Areas
Solicitation ID: DE-FOA-0001953
Award: $35M
Concept Paper due: Nov 13, 2019

NASA

ROSES 2019: Astrophysics Science SmallSat Studies
Funding Opportunity Number: NNH19ZDA001N-AS3
Closing Date for Applications: Dec 19, 2019

ROSES 2019: Earth Science Research from Operational Geostationary Satellite Systems
Funding Opportunity Number:NNH19ZDA001N-ESROGSS
Closing Date for Applications: Jan 10, 2020

ROSES 2019: Akatsuki Participating Scientist Program
Funding Opportunity Number: NNH19ZDA001N-ATSKIPSP
Closing Date for Applications: Jan 31, 2020

FUNDING OPPORTUNITIES

Junior Faculty Awards

(Limited) 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
Internal deadline: Nov 15, 2019
Application due: Jan 8, 2020

NIH
NCMRR Early Career Research Award (R03 Clinical Trial Optional)
FOA: PAR-20-042
Full proposal due: March 30, 2020, March 30, 2021, March 30, 2022

Graduate student Funding

Environmental Protection Agency (EPA):
People, Prosperity and the Planet (P3) Student Design Competition
Awards: Approximately $800,000 total for all awards;
Submission Deadline: Nov. 19, 2019

ACI Foundation Graduate Fellowships
Award: $5,000 to $50,000 pe award
Application due: Dec 02, 2019

Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program
Eligibility: citizen of the United States, Australia, Canada, New Zealand, or United Kingdom at time of application
Application due: Dec 03, 2019

The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00)
The F99/K00 award is intended for individuals who require 1-2 years to complete their Ph.D. dissertation research training (F99 phase) before transitioning to mentored postdoctoral research training (K00 phase).
Award: $1.2 M to fund up to 24 awards in FY2020.
FOA: RFA-CA-19-057
Application due: Dec 04, 2019

CONFERENCE, WORKSHOP & MORE

NSF

National Artificial Intelligence (AI) Research Institutes Program Webinar
Nov 7, 2019; 3.30 PM – 4.30 PM

UNT Research Mixer
Date: 11/07/19
Time: 4:00pm
Location: Union, Room #406 Presidential Suite

UNT Grantsmanship Training Workshop
Dates: 12/9/19 and 2/27/20
Time: 8:30AM-5PM
Location: Union 332

SUMMER VISITING FACULTY PROGRAM

ONR Summer Faculty Research Program
Applications for the 2019 ONR Summer Faculty Research Program are accepted September 1, 2019 through December 12, 2019.
Fellowship announcement will be made March 1, 2020.
Fellowship Begins: May 4, 2020

U.S. Air Force Research Lab Summer Faculty Fellowship Program
Eligibility: Citizens of the United States
The online application for the FY 2019 Air Force Summer Faculty Fellowship Program is now open. Reference forms and letters must also be submitted electronically no later than Nov 29, 2019 at 5:00 PM EST.
Award notifications will be made in Spring 2020.

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