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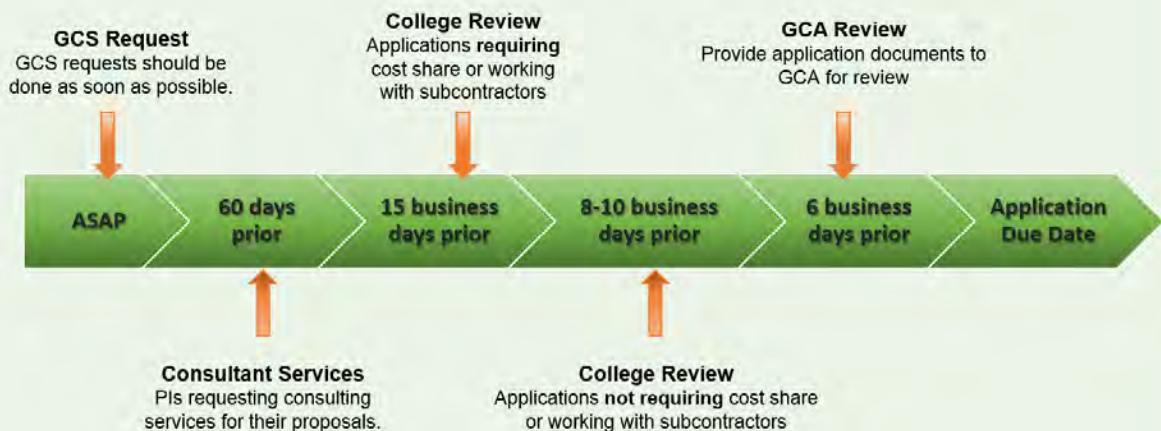
Research, Funding News

Cybersecurity Priorities: The White House has released its [cybersecurity investment priorities for fiscal 2025](#). The priorities include defending critical infrastructure, disrupting threat actors, shaping market forces, investing in a resilient future, and forging international partnerships. The memorandum emphasizes the need for IT system modernization and improved baseline cybersecurity requirements. It aligns with the Federal Zero Trust Strategy and instructs agencies to prioritize modernization for vulnerable systems reaching end of life or end of service.

NSF Biosketch and CPS format: The NSF has introduced revised formats for the [Biographical Sketch](#) and [Current and Pending Support](#) documents, effective from January 30, 2023. These formats can be accessed in [SciENCv](#) and on the NSF website. Starting from *October 23, 2023*, it will be mandatory to use [SciENCv](#) for these documents in new proposals.

Fall Semester Prep - Research Assistants: CENG Research Services is now preparing for the Fall semester. Please inform your administrative coordinator within Research Services (BME & ME - Rusty.Jordan@unt.edu, CSE & EE - Britany.King@unt.edu, and MTSE - Christiane.Paris@unt.edu), on or before *August 14, 2023*, of the salaried research assistants you will be supporting on sponsored projects for the Fall semester. As a reminder, personnel are not permitted to work until their required hiring documents (offer letter, I9 & background check) are completed. This reminder is crucial for maintaining compliance with our internal policies and legal regulations.

Grant Application Process



Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: Stephanie Ludi
Department: Computer Science & Engineering
Project Title: Camp ImagineIT
Sponsor: Texas Workforce Commission - TWC
Project Period: 03/01/2023 - 08/31/2023
Award: \$98,176

PI: Marcus Young
Department: Materials Science & Engineering
Project Title: Hydrogen Effects in Steels
Sponsor: Emerson Process Management
Project Period: 01/17/2023 – 01/16/2026
Award: \$84,779

PI: Haifeng Zhang
Department: Mechanical Engineering
Project Title: Self-powered Wireless Hybrid Density/Level Sensing with Differential Pressure Sensors for Safeguarding and Monitoring of Electrochemical Processing of Nuclear Spent Fuel
Sponsor: U.S. Department of Energy
Project Period: 03/07/2023 – 03/06/2026
Award: \$2,211,342

PI: Mo-how Shen
Co-PI: Hector Siller
Department: Mechanical Engineering
Project Title: High-throughput Screening and Quality Assessment Testing and an AI-based In-Situ Process Monitoring and Quality Control Framework for Additive Manufacturing New Builds and Repaired Parts
Sponsor: U.S. Department of Defense
Project Period: 05/01/2023 – 04/30/2027
Award: \$800,000

PI: Tae-Youl Choi
Department: Mechanical Engineering
Project Title: Nuclear Safety Testing and Analysis Research (NSTAR) Fellowship Program at The University of North Texas
Sponsor: Nuclear Regulatory Commission - NRC
Project Period: 03/31/2023 – 03/30/2027
Award: \$400,000

PI: Yan Huang
Co-PIs: Heng Fan, Xinrong Li, Hung Luyen, Chen-xi Qiu, Yusheng Wei, Qing Yang
Departments: Computer Science & Engineering, Electrical Engineering
Project Title: Cognitive Distributed Sensing in Congested Radio Frequency Environments
Sponsor: Northeastern University (DOD)
Project Period: 03/15/2023 - 03/14/2024
Award: \$3,763,760

PI: Diana Berman
Department: Materials Science & Engineering
Project Title: Collaborative Research: Combined Tribological and Bactericidal Effect of Bioinjectable Nanodiamonds on Biological Joints
Sponsor: National Science Foundation - NSF
Project Period: 06/01/2023 – 05/31/2024
Award: \$101,896

PI: Shengli Fu
Department: Electrical Engineering
Project Title: Collaborative Research: Research Infrastructure: CCRI: ENS: Enhanced Open Networked Airborne Computing Platform
Sponsor: National Science Foundation - NSF
Project Period: 05/15/2023 – 04/30/2026
Award: \$472,060

FUNDING OPPORTUNITIES

National Science Foundation

[\(Limited\) Major Research Instrumentation \(MRI\) FY24](#)

Limit: 2 proposals in Track 1, 1 in Track 2 and 1 in Track 3 per eligible organization;
Anticipated Funding: \$75M;
Number of Awards: 100 awards;
Solicitation ID: NSF 23-519
Internal application due: July 14, 2023 in [InfoReady](#)
Week of July 28th Notify of Applicant Selections
NSF submission due: November 15, 2023

[Improving Undergraduate STEM Education: Directorate for STEM Education \(IUSE: EDU\)](#)

Anticipated Funding: \$61M;
Number of Awards: 135 awards;
Solicitation ID: NSF 23-510
Full proposal due: July 19, 2023 for Institutional and Community Transformation (Level 2) and Engaged Student Learning (Level 2 and Level 3)

[Faculty Early Career Development Program \(CAREER\)](#)

CAREER webinar and FAQ ([Slides](#), [Recording](#))
Anticipated Funding: \$250M;
Number of Awards: 500 awards;
Solicitation ID: NSF 22-586
Full proposal due: July 27, 2023

[\(Limited\) BioFoundries to Enable Access to Infrastructure and Resources for Advancing Modern Biology and Biotechnology \(BioFoundries\)](#)

Limit: 1 proposal per organization;
Anticipated Funding: \$37M in FY24;
Number of Awards: 2 to 4 awards; \$15M to \$24M over a six-year period;
Solicitation ID: NSF 23-585
Letter of intent due: August 01, 2023
Full proposal due: October 02, 2023

[Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals under U.S. National Science Foundation \(NSF\) and the Department of Science and Technology \(DST\) of India Collaborative Research Opportunities](#)

Proposals must submit to the CISE Core, CPS, and SaTC program.

Solicitation ID: NSF 23-114

Webinar: July 11, 2023 | 10:00 -11:00 am [Registration](#)

Full proposal due: August 15, 2023

[Assessing and Predicting Technology Outcomes \(APTO\)](#)

Anticipated Funding: \$30M annually; \$500K to \$4M annually for each award;

Number of Award: 5-20 awards;

Solicitation ID: NSF 23-600

Pre-proposal due: August 21, 2023

Full proposal due: October 30, 2023

[Dear Colleague Letter: Equitable and Transformative Approaches to Educating the Semiconductor Workforce \(ETA-ESW\)](#)

Encourages submission through IUSE and ExLENT programs that support education and workforce development.

Solicitation ID: NSF 23-118

[Partnerships for Innovation \(PFI\)](#)

Anticipated Funding: \$30M;

Number of Award: 25-55 awards;

Solicitation ID: NSF 23-538

Full proposal due: September 05, 2023, January 02, 2024

[\(Limited\) National Science Foundation Research Traineeship \(NRT\) Program](#)

Anticipated Funding: \$55M;

Number of Awards: 18 to 20 awards;

Limit: 2 proposals per organization;

Solicitation ID: NSF 21-536

Full proposal due: September 06, 2023

FUNDING OPPORTUNITIES

[Experiential Learning for Emerging and Novel Technologies \(ExLENT\)](#)

Anticipated Funding: \$30M; Up to \$1M for each award;

Number of Awards: 25 to 35 awards;

Solicitation ID: NSF 23-507

Full proposal due: September 14, 2023

[Research Experiences for Undergraduates \(REU\)](#)

Anticipated Funding: \$84.8M;

Number of Awards: 1,300 to 1,350 (175 new Site awards and 1,150 new Supplement awards)

Solicitation ID: NSF 23-601

Full proposal due: September 27, 2023

[NSF Boosting Research Ideas for Transformative and Equitable Advances in Engineering \(BRITE\)](#)

Anticipated Funding: \$10M;

Number of Award: 20 awards; \$100k-200k per year during a three-year period;

Solicitation ID: NSF 23-592

Webinar: July 10, 2023 | 1:00-2:30 PM [Registration](#)

Full proposal due: September 28, 2023

[Computer and Information Science and Engineering \(CISE\): Core Programs](#)

Anticipated Funding: \$280M; Small \$600k, Medium \$1.2M, OAC Core \$600k;

Number of Awards: 400 - 600 awards;

Solicitation ID: NSF 23-561

Full proposal due: Small projects accepted anytime; October 23, 2023 for Medium and OAC projects

[\(Limited\) Centers of Research Excellence in Science and Technology \(CREST Centers\)](#)

Limit: one preliminary proposal per eligible institution

Anticipated Funding: \$8M;

Number of Award: 5 awards; \$1.5M per year/\$7.5M during a five-year period;

Solicitation ID: NSF 23-595

Pre-proposal due: December 01, 2023

[Advanced Manufacturing \(AM\)](#)

Investigators are encouraged to discuss their ideas with AM program directors well in advance of submission

at AdvancedManufacturing@nsf.gov.

Solicitation ID: NSF PD 19-088Y

Full proposal accepted anytime

[Engineering of Biomedical Systems](#)

Solicitation ID: NSF PD 23-5345

Full proposal accepted anytime

National Institute of Health

[NIH Maximizing Investigators' Research Award \(MIRA\) for Early Stage Investigators \(ESI\) \(R35 - Clinical Trial Optional\)](#)

Solicitation ID: PAR-23-145

Eligibility: PI must have completed their degree or training within the past 10 years and not have won a substantial NIH independent research award before.

Award: Up to \$250,000 direct costs per year, a maximum project period of five years.

Application due: October 03, 2023

Dept. of Defense

[OFFICE OF NAVAL RESEARCH \(ONR\) SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATIC \(STEM\) PROGRAM](#)

Solicitation ID: N00014-23-S-F005

Closing Date: April 02, 2024

[C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research, Cryogenics and Quantum Broad Agency Announcement \(BAA\)](#)

Solicitation ID: N66001-23-S-4702

Closing Date: Jun 07, 2024

FUNDING OPPORTUNITIES

Dept. of Energy

[Seeding Critical Advances for Leading Energy Technologies With Untapped Potential 2023 \(SCALEUP 2023\)](#)

Solicitation ID: DE-FOA-0003100

Concept Paper due: July 21, 2023

Full Application due: TBD

[BIPARTISAN INFRASTRUCTURE LAW \(BIL\) - CONSUMER ELECTRONICS BATTERY RECYCLING, REPROCESSING, AND BATTERY COLLECTION](#)

Solicitation ID: DE-FOA-0002897

Concept Paper due: August 17, 2023

Full Application due: November 29, 2023

[Battery Research and Development Consortium](#)

Solicitation ID: DE-FOA-0002965

Full Application due: September 08, 2023

NASA

[In-Space Validation of Earth Science Technologies \(ROSES 2023\)](#)

Solicitation: NNH23ZDA001N-INVEST

NOI due: July 14, 2023

Proposal due: Sep 13, 2023

Foundation and more

[The Hill Prizes, funded by Lyda Hill Philanthropies](#)

Eligibility: Texas-based applicants who have had an independent faculty or industry-affiliated appointment for at least 15 years.

Award: \$500,000 in funding to five recipients in the fields of Medicine, Engineering, Biological Sciences, Physical Sciences, and Technology

Application: contact Ms. DeAnna Oliveira (DeeAnna.Oliveira@unt.edu), UNT Director for Corporate & Foundation Relations. UNT will submit one "best" nominee. Submission window: June 27 - August 11, 2023.

[W.M. Keck Foundation](#)

Award: \$500k - \$5 million (typically \$2 million or less) for a period of one to five years.

Internal one-page Concept paper due: August 04, 2023 in [InfoReady](#)

UNT's Corporate and Foundation Relations (CFR) team, in conjunction with UNT Research and Innovation, will oversee the internal review of submissions and reach out with any questions.

[\(Limited\) 2024 WiSTEM2D Scholars Award Program - Johnson & Johnson](#)

Eligibility: Early to mid-career woman working in the field(s) of Science, Technology, Engineering, Mathematics, Manufacturing and Design (STEM2D).

Limit: 6 proposals per organization, one per award category: Science, Technology, Engineering, Math, Manufacturing & Design.

Award: \$50K per year for three years;

Internal Pre-Proposal due: August 11, 2023 in [InfoReady](#)

Full application due: September 30, 2023

CONFERENCE, WORKSHOP & MORE

UNT

[Find Funding Opportunities-Pivot Overview](#)

Monday, July 10, 2023 | 2:00 - 2:30pm

<https://unt.zoom.us/j/89470412703>

[RSVP](#) to Event

NSF BRITE FY24 Solicitation Information

Webinar ([NSF 23-592](#))

July 10, 2023 | 1:00-2:30 PM

Register in advance for this webinar: [Link](#)

NSF-DST Call for Proposals Webinar and Q&A
for U.S.-India Collaborative Research

([NSF 23-114](#))

July 11, 2023 | 10:00 -11:00 am

Register in advance for this webinar: [Link](#)

FUNDING SEARCH ENGINES

Federal Grants World

<https://grants.gov>

PIVOT– Funding Opportunity Database

<https://pivot.proquest.com>

Fed biz opps– Federal Business Opportunities

<https://www.sam.gov>

NIH funding programs

<https://grants.nih.gov/funding/searchguide/index.html#/>