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Research, Funding News

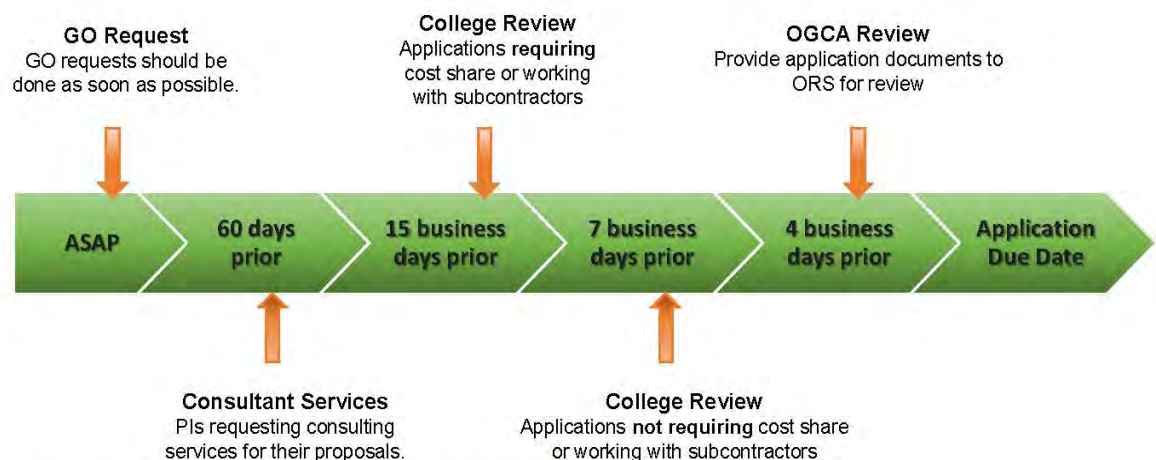
University of North Texas receives \$10M for Center for Agile and Adaptive Additive Manufacturing (CAAAM): With the \$10 million in funding from the 86th Texas Legislature, CAAAM at UNT will be able to expand its scope significantly and continue to advance its various research projects. Notably, the funding will enable UNT to establish a Texas-based prototype center that could “globally transform the future of advanced manufacturing.”

NSF joins federal partners in announcing update to national AI research and development strategic plan: The 2019 National AI R&D plan offers a national agenda on AI science and engineering, and follows the launch of the American AI Initiative earlier this year. New to the 2019 plan is an imperative to expand public and private partnerships to enhance federal investments and activities in support of AI.

NASA will fly a billion-dollar quadcopter to Titan, Saturn’s methane-rich moon: The craft will soar and hover over the icy moon’s surface—and land on it—in a search for the conditions and chemistry that could foster life. The mission will launch in 2026.

NIH probe of foreign ties has led to undisclosed firings – and refunds from institutions: Since August 2018, NIH has sent roughly 180 letters to more than 60 U.S. institutions about individual scientists it believes have broken NIH rules requiring full disclosure of all sources of research funding. Michael Lauer, head of NIH’s extramural research program, thinks other federal agencies that fund academic research may soon copy NIH’s aggressive approach.

Pre-Award Timeline and Process



Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: *Rajarshi Banerjee*

Department: Materials Science and Engineering

Project Title: Collaborative Research: Fine Scale Alpha Precipitation and Resulting Deformation Mechanisms in Titanium Alloys

Sponsor: National Science Foundation - NSF

Project Period: 6/1/2019 - 5/31/2022

Award: \$292,992.00

PI: *Saraju Mohanty*

Department: Computer Science and Engineering

Project Title: NSF Student Travel Grant for 2019 IEEE Computer Society International Symposium on VLSI (IEEE ISVLSI)

Sponsor: National Science Foundation - NSF

Project Period: 6/1/2019 - 5/31/2020

Award: \$10,000.00

PI: *Kameswara Rao Namuduri*

Department: Electrical Engineering

Project Title: Dose Prediction for Volumetric Modulated Arc Therapy of Prostate Cancer

Sponsor: University of Texas Southwestern Medical

Project Period: 6/1/2019 - 12/31/2019

Award: \$7,860.00

PI: *Nandika D'Souza*

Department: Mechanical & Energy Engineering; Materials Science and Engineering

Co-PI: *Stephanie Ludi*

Department: Computer Science and Engineering

Project Title: College of Engineering Women in STEM

Sponsor: UNT Foundation

Project Period: 11/1/2018 - 11/30/2019

Award: \$30,000.00

PI: *Hassan Takabi*

Department: Computer Science and Engineering

Project Title: NSF Student Travel Grant for 2019 ACM Conference on Computer and Communications Security (ACM CCS)

Sponsor: National Science Foundation - NSF

Project Period: 7/1/2019 - 6/30/2020

Award: \$25,000.00

PI: *Tae-Youl Choi*

Co-PI: *Denise Simmons*

Department: Mechanical & Energy Engineering

Project Title: Thermal conductivity and diffusivity of human cells as biomarkers in early-stage ovarian cancer detection

Sponsor: National Science Foundation - NSF

Project Period: 6/1/2019 - 5/31/2022

Award: \$360,000.00

PI: *Sundeep Mukherjee*

Department: Materials Science and Engineering

Project Title: US-India Partnership for Manufacturing of Advanced Metallic Bio-implants and Local Economic Development

Sponsor: University of Nebraska at Omaha

Project Period: 9/28/2018 - 11/29/2020

Award: \$100,000.00

PI: *Wonbong Choi*

Department: Materials Science and Engineering; Mechanical & Energy Engineering

Project Title: Development of surface stabilized Zn-anode in Zn-air battery

Sponsor: Korea Institute of Industrial Technology

Project Period: 1/1/2019 - 12/30/2020

Award: \$28,000.00

Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

PI: *Cheng Yu*

Department: Engineering Technology

Project Title: Shear Strength of Cold-Formed Steel
Clip Angles with Multiple Lines of Screws

Sponsor: American Iron and Steel Institute

Project Period: 4/10/2019 - 1/30/2020

Award: \$6,000.00

PI: *Cheng Yu*

Department: Engineering Technology

Project Title: Expanding Effective Strip Method to
Thicker Stud Walls

Sponsor: American Iron and Steel Institute

Project Period: 4/10/2019 - 1/31/2020

Award: \$6,000.00

PI: *Xiangnan Zhong*

Department: Electrical Engineering

Project Title: Collaborative Research: Autonomous
Hierarchical Adaptive Dynamic Programming for De-
cision Making in Complex Environment

Sponsor: National Science Foundation - NSF

Project Period: 8/1/2019 - 7/31/2022

Award: \$237,297.00

FUNDING OPPORTUNITIES

National Science Foundation

[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

[Computer and Information Science and Engineering \(CISE\) Research Initiation Initiative \(CRII\)](#)

Type of Award: Standard Grant;

Anticipated Funding: \$10M; \$175K per award for 2 years;

Number of Awards: 55 to 60;

Solicitation ID: NSF 19-579

Full proposal due: Aug 14, 2019

[Innovative Technology Experiences for Students and Teachers \(ITEST\)](#)

Type of Award: Standard Grants ;

Anticipated Funding: \$25-30M;

Number of Awards: 22 to 30;

Solicitation ID: NSF 19-583

Full proposal due: Aug 19, 2019

[Opportunities for Promoting Understanding through Synthesis \(OPUS\)](#)

Type of Award: Standard Grants;

Anticipated Funding: \$175-350K per award annually;

Number of Awards: 8 to 15;

Solicitation ID: NSF 19-584

Full proposal due: Aug 28, 2019

[International Research Experiences for Students \(IRES\)](#)

Type of Award: Standard or Continuing Grant ;

Anticipated Funding: \$13M;

Number of Awards: 30 to 35;

Solicitation ID: NSF 19-585

Full proposal due: Track-I: Sep 10, 2019; Track-II: Sep 17, 2019; Track-III: Sep 24, 2019

[Secure and Trustworthy Cyberspace Frontiers \(SaTC Frontiers\)](#)

Type of Award: Continuing Grant ;

Anticipated Funding: \$5-10M;

Number of Awards: 2;

Solicitation ID: NSF 19-572

Letter of Intent due: Jul 05, 2019

Full proposal due: Sep 30, 2019

[\(Limited\) Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research](#)

Type of Award: Cooperative Agreement;

Anticipated Funding: \$5-10M per award for up to 5 years;

Number of Awards: 2 to 4;

Solicitation ID: NSF 19-587

Full proposal due: Nov 05, 2019

National Institute of Health

[BRAIN Initiative: Proof of Concept Development of Early Stage Next Generation Human Brain Imaging \(R01 Clinical Trial Not Allowed\)](#)

Anticipated Funding: \$4M to fund 6-12 awards in FY2020.

FOA Number: RFA-EB-19-001

Letter of Intent Due: 30 days prior to the application due dates

Proposal Due: Sep 3, 2019;

FUNDING OPPORTUNITIES

[BRAIN Initiative: Non-Invasive Neuromodulation - New Tools and Techniques for Spatiotemporal Precision \(R01 Clinical Trial Optional\)](#)

Anticipated Funding: \$3M to fund 5 awards in FY2020.
FOA Number: RFA-MH-20-310
Letter of Intent Due: Aug 3, 2019
Proposal Due: Sep 27, 2019; Feb 14, 2020

[NIH Director's Pioneer Award Program \(DP1 Clinical Trial Optional\)](#)

Anticipated Funding: \$8M to fund 7 awards in FY2020.
FOA Number: RFA-RM-19-005
Proposal Due: Aug 9, 2019

[NIH Director's Transformative Research Awards \(R01 Clinical Trial Optional\)](#)

Anticipated Funding: \$8M to fund 7 awards in FY2020.
FOA Number: RFA-RM-19-007
Proposal Due: Aug 20, 2019

Department of Transportation

[Advanced Transportation and Congestion Management Technologies Deployment Initiative](#)

Anticipated Funding: Up to \$60M;
Solicitation ID: 693JJ319NF00003
Proposal Due: Jul 19, 2019

NASA

[University Leadership Initiative 2 \(ULI2\)](#)

Solicitation: NNH18ZEA001N-ULI2
Step-A Proposals Due: Aug 27, 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

[NIH Director's Early Independence Award \(DP5 - Clinical Trial Optional\)](#)

Solicitation ID: RFA-RM-19-008
Application due: LOI: Aug 13, 2019, Full proposal: Sep 13, 2019

[FY2020 Office of Naval Research \(ONR\) Young Investigator](#)

Solicitation ID: N00014-19-S-F008
Application due: LOI: Aug 16, 2019

ACS Petroleum Research Fund

[Doctoral New Investigator \(DNI\) Grants](#)

Eligibility: the first three years of the first academic appointment at the rank of Assistant Professor Award: \$110,000 over 2 years
Estimated number of awards: ~ 75 each year
Application window: Sep 23 - Oct 18, 2019

Graduate student Funding

[Graduate Research Fellowship Program \(GRFP\)](#)

Solicitation ID: NSF 18-573
Eligibility: U.S. citizen, national, or permanent resident
Award: three years of support during a five-year fellowship period. Currently, NSF provides a stipend of \$34,000 to the Fellow and a cost-of-education allowance of \$12,000 to the graduate degree-granting institution for each Fellow who uses the fellowship support in a fellowship year.
Application due: Oct 22, 2019

WEBINAR, WORKSHOP & EXPO

NSF

[Fall 2019 Grants Conference](#)

November 18-19, 2019 Boston, MA

DOE

[Composites and Advanced Materials Expo](#)

Sep 23-26, 2019 Anaheim, CA

NIH

[Fall 2019 NIH Regional Seminar](#)

Nov 6-8, 2019 Phoenix, AZ

Registration now open

NIST

[10th Annual NICE Conference and Expo](#)

November 18-20, 2019 Phoenix, Arizona

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>

Nine Sigma—Open Innovations Community