



Research BREAKS Sessions

All UNT researchers are invited to participate in a new research education series every first and third Thursday of the month. Each session will be led by a topic expert in the field in order to elevate best practices, while answering some of the most frequently asked questions by UNT researchers related to the topic. These hour-long discussions are a comfortable conversation where no question is too basic, too simple, or too complicated. Our team of research experts will bring the conversation topics to the researchers.

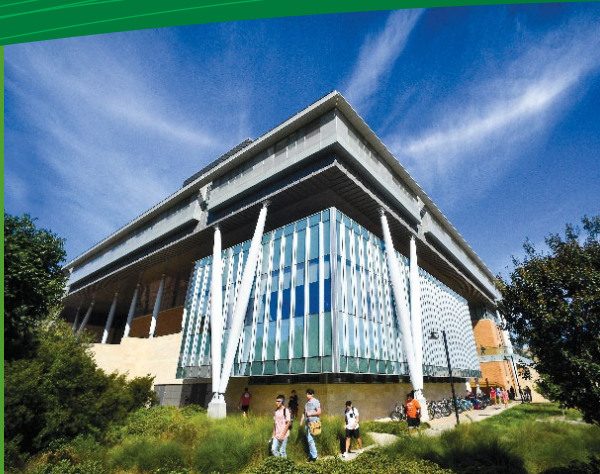
Research BREAKS for April:

[Expanding Research Synergy Between Computing and Non Computing Fields](#)

Thursday, April 7
4:00 to 5:00 PM
Held via [Zoom](#)
More info [RSVP](#)

[The Power of Research Industry Partnerships](#)

Thursday, April 21
4:00 to 5:00 PM
Held via [Zoom](#)
More info [RSVP](#)



this issue

April Research BREAKS Sessions
Funding Opportunities
Proposals Selected
Proposals in Development
Research Profile

Funding Opportunities

If interested in applying, please email [Kathy Dreyer](#)

Proposal Title/Topic: [Strengthening American Infrastructure](#)

Funding Agency: National Science Foundation

Proposal Due Date: May 5, 2022

Proposal Title/Topic: [Civic Innovation Challenge](#)

Funding Agency: National Science Foundation

Proposal Due Date: May 5, 2022

Spring 2022 Faculty Grantsmanship Workshop

This four part series will take place April 5 – 8 from 1 – 3 PM each day.

- Understanding the preparation steps before beginning the writing process;
- Learning techniques for creating a strong argument for the proposed project;
- Developing techniques for communicating the approach clearly; and
- Understanding how these techniques connect to the process by which a grant proposal is reviewed.

Sessions will be held virtually by AtKisson Training Group LLC.

Integrated into all sessions are ways to make the proposal process part of the everyday academic process and how to strategically plan for longer-term funding.

[Registration](#) is required for this event; registering is a commitment to all four days.

Attendance is limited to the first 100 registrants.

Selected List of Proposals Submitted in March

Proposal Title/Topic: STEM program

Funding Agency: Office of Naval Research

Proposal Title/Topic: Improving Undergraduate STEM

Education: Hispanic-Serving Institutions

Funding Agency: National Science Foundation

Proposals in Development

Proposal Title/Topic: Aviation Research

Funding Agency: Federal Aviation Agency

Proposal Due Date: open

Proposal Title/Topic: Research and Evaluation on Trafficking in Persons

Funding Agency: National Institute of Justice

Proposal Due Date: April 22, 2022

Research Profile

Kamesh Namuduri

Background:

[Kamesh Namuduri](#) is a Professor of Electrical Engineering and the director of Autonomous Systems Laboratory at the University of North Texas (UNT). He received his B.S. degree in Electronics and Communication Engineering from Osmania University, India, in 1984; M.S. degree in Computer Science from University of Hyderabad in 1986; and Ph.D. degree in Computer Science and Engineering from University of South Florida in 1992. Over the past eleven years, his research has focused on aerial networking and communications. He is serving as the chair for two Standards Working Groups (IEEE 1920.1: Aerial Communications and Networking and IEEE P1920.2: Vehicle-to-Vehicle Communications for Unmanned Aircraft Systems). Namuduri is named as a “Distinguished Lecturer” by the IEEE Vehicular Technology Society for the 2021-2023 term.



He is serving as the Chair for the IEEE Vehicular Technology Society’s Ad Hoc Committee on Drones; as the Vice Chair for “Aerial Communications”, an emerging technology initiative of the IEEE Communication Society; and as an Expert Adviser on UAVs, COM/Access Core Standards Committee, and IEEE Communications Society. He is a co-editor for the book titled “UAV Networks and Communications” published by the Cambridge University Press in 2017. He is leading the Smart and Connected Community project on “Deployable Communication Systems” in collaboration with the government, public, and private organizations. This living laboratory project was demonstrated thrice during the Global City Teams Challenge hosted jointly by the National Institute of Standards and Technology and US Ignite in 2015, 2016, 2017, and 2018. He contributed to the development of research agenda, requirements, and blueprints highly deployable communications systems led by the National Institute of Standards and Technology and National Public Safety Telecommunications Council. In 2020, Namuduri successfully led a team of seven organizations, including three universities and four private companies, engaging as an airspace partner in the Advanced Air Mobility, National Campaign Developmental Test project directed by NASA. During 2022-2023, he has been leading the North Texas Cohort engaging as an infrastructure partner in the AAM National Campaign directed by NASA. This team will be conducting several flight tests in the near future aimed at understanding the challenges when UAVs are deployed at scale in real-world.

Areas of Expertise:

- Airborne Networks
- Advanced Air Mobility
- Unmanned Aircraft Systems (UAS) Communications