A Tennessee Flagship Carnegie R1 Research Institution

RESEARCH + INNOVATION
NEWSLETTER

iCODE: A Novel Education Technology

Technology focuses on adaptive training of students' code comprehension processes.

Read Full Story

Behavioral Health and the Underserved

Research working to improve behavioral healthcare for the Latinx community in Memphis.

Read Full Story

Patents2Products Postdoc's Startup Spotlight

Initial cohort postdoc, Dillard, has startup featured by UofM's P2P Program partner, Epicenter.

Read Full Story

Self-Change in Drinking Behaviors

Social and behavioral processes associated with an existing cohort of black and white emerging adults.

Read Full Story

2024 Nominations Sought for Distinguished Faculty

Distinguished Faculty Research, Creative Achievement and Faculty Excellence in Engaged Scholarship.

Read Full Story

International Scholar Presents Research

Fatemi features work from Fatigue and Fracture Research Laboratory funded by Office of Naval Research.
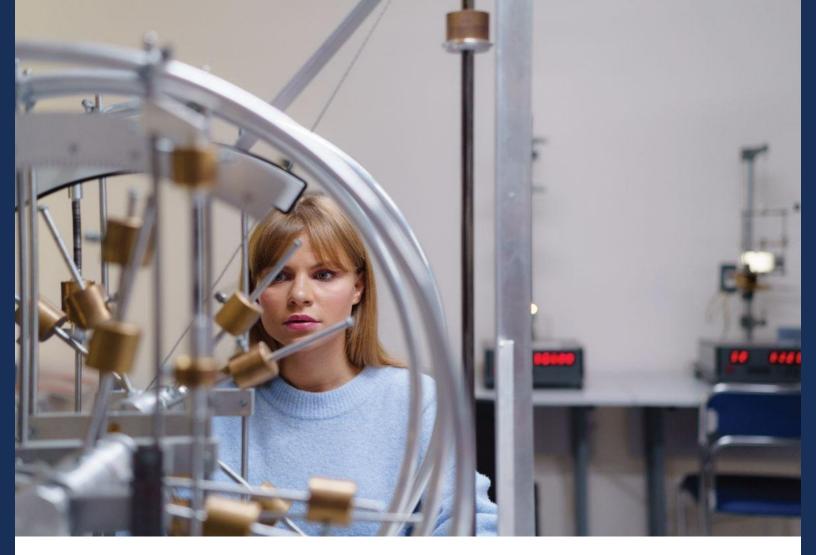
Read Full Story

Addressing Fentanyl Overdoses in Tennessee

Expanding substance abuse treatment and recovery services in rural areas of middle Tennessee.

Read Full Story

Delayed Punishment Decision-Making Task

Brain regulates sensitivity to delayed punishment to improve treatments for substance misuse.

Read Full Story

Researchers Lead Urban STEM Collaboratory

Building STEM identity and student success through academic, financial, social and career support.

Read Full Story

New Faculty Researcher Spotlight

Emmy-nominated documentary film producer, Wellman, joins Political Science Department.

Read Full Story

Showcasing Research Nationally

Network of not-for-profit media outlets publishing research news for audiences across America.

Read Full Story

Training for Research Initiatives

Research & Innovation focus on opportunities to increase funding and collaboration opportunities.

Read Full Story

DOE, EPA, NEA, NIH and NSF Funding Opportunities

Recently published federal agencies' funding opportunities outlining upcoming grants.

See Full List

Calendar of Events
December 2023

Research Development, Research Enterprises, UMRF Research Park & FedEx Institute of Technology.

See Full List

Research Awards November 2023

Dr. Ashish Joshi awarded $2,070,952 from the Shelby County Health Department with the Centers For Disease Control.

Dr. Hasan Ali awarded $1,000,000 from the University of Arkansas with the Department of Homeland Security.

Dr. John Sabatini awarded $410,438 from the U.S. Department of Education.

Dr. Chrisann Schiro-Geist awarded $394,351 from the U.S. Department of Education.

Dr. Brian Waldron awarded $300,000 from the Tennessee Technological Advancement Consortium.

Dr. Lan Wang awarded $270,915 from the National Science Foundation.

Dr. Brandt Pence awarded $230,207 from the University of Tennessee Health Science Center with the National Institutes of Health.

Dr. Anzhelika Antipova awarded $200,000 from the Tennessee Department of Transportation.

Dr. Hongmei Zhang awarded $178,255 from the National Institutes of Health and $64,658 from the Department of Veterans Affairs.

Dr. Stephanie Ivey awarded $160,000 from the Federal Railroad Association and $38,000 from the Women's Foundation for a Greater Memphis.

Dr. Yufeng Zhang awarded $156,213 from the National Science Foundation.

Dr. Bernie Daigle awarded $143,900 from New York University with the U.S. Department of Defense.

Dr. Amy Abell awarded $138,455 from the National Institutes of Health.

Dr. Edith Gnanadass awarded $132,728 from the Memphis Fire Department.

Dr. Hai Trieu awarded $80,000 from Launch Tennessee.

Dr. Meghan McDevitt-Murphy awarded $67,294 from the University of Virginia with the National Institutes of Health.

Dr. Randolph Dupont awarded $45,000 from the City of Memphis Police Department with the State of Tennessee.

Dr. Wei Lyu awarded $16,098 from the University of Iowa with the National Institutes of Health.

Dr. Emerson Bowers awarded $3,250 from Graduate Women in Science.

Dr. Gloria Carr awarded $2,500 from the Tennessee Nurses Foundation.

* Data reported the 18th of each month. Awards finalized after the 18th will be reported the following month.

Full project and award details available here.

Upcoming Events & Announcements
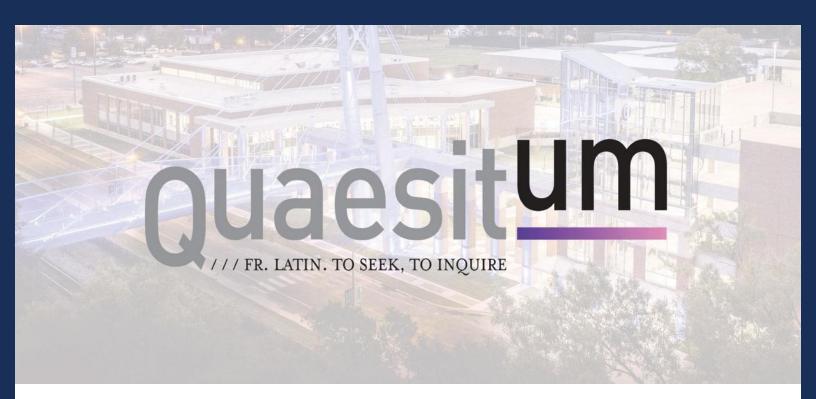

Pre-Award Services

Laura Wright has been appointed as the Director of Pre-Award Services. Please extend your congratulations to Laura for her recent promotion and warmly welcome our new team members!

- Laura Wright, Director of Pre-Award Services
  - llwrigh@memphis.edu **|** 901-678-3507
- Veronica Hart,– Research Administrator (Proposals)
  - vhart1@memphis.edu **|** 901-678-4856
- Keith Sisson, Research Administrator (Contracts)
  - ksisson@memphis.edu **|** 901-678-2625
- Lauren Williams, Research Administrator (Awards)
  - ljrchrd1@memphis.edu **|** 901-678-3056
- Jarvis Payne, Sr., Research Coordinator
  - jpayne8@memphis.edu **|** 901-678-8232

For questions related to:

- Proposals - osp@memphis.edu
- Awards - ospawards@memphis.edu
- Subawards and Contracts - researchcontracts@memphis.edu

Quaesitum Call for Submissions
Deadline: Jan. 19, 2024

Quaesitum is getting ready for its 11th volume. Any student who has conducted research as an undergraduate at the UofM is eligible. Submissions can be from any discipline – we want to showcase all of the research around campus. In the past, we have published papers from STEM, History, Anthropology, Philosophy, Psychology, English, Judaic studies, Business, Hospitality and more.

Since this is a research journal, the primary requirement is that submissions should analyze some kind of data

(broadly defined). Submissions will be accepted at any time, but the **deadline** for volume 11 is **January 19, 2024**. If you want to review previous issues or talk about whether a paper is a good fit, check the *Quaesitum* webpage.

Over the first decade, *Quaesitum* has worked with hundreds of students from all disciplines to showcase the research they do and look forward to the next 10 years.

For more information on the call for proposals, contact quaesitum@memphis.edu.

FedEx Institute of Technology
Technology Serving Humanity Speaker Series

Welcomes

Dr. Sandeep Purao
Professor, Computer Information Systems
Bentley University

Dr. Sandeep Purao is a professor of Computer Information Systems at Bentley University. His research deals with the design and evolution of complex technologies at larger scales such as organizations, governments and cities; blending methods from organizational science and software engineering, informed by domain-specific theories in business, government and cities

In this talk, Purao will talk about using technology for social good, including helping students with disabilities transition to college and predicting long-term homelessness.

Talk Title: "Technology for Social Good."

Thursday, Jan. 25 | 3 PM | Methodist Presentation Theatre (FIT 103)

FedEx Institute of Technology
Distinguished Speaker Series

Welcomes

Dr. Richard Brooks
Professor of Electrical and Computer Engineering
Clemson University

This talk discusses the security of automotive software and will review the problem of software supply chain attacks. NIST has called supply chain attacks "the new normal." No software project exists in a vacuum. Software re-use has been the mantra for developing cost-effective, reliable software products for decades. Unfortunately, our complex interdependent software eco-system also creates new vulnerabilities. If any package, library, compiler or development system involved in building a project has been infected, then the resulting project has been infected.

Brooks will also discuss modern automobiles and their reliance on multiple electronic control units (ECUs) interacting over the controller area network (CAN Bus). He will present several notable software vulnerabilities that have been discovered in automotive software systems, will explain current over the air (OTA) update approaches that are being used to deliver software patches, and will explain current efforts to reduce the vulnerability of automotive software to supply chain attacks and make OTA updates less vulnerable in practice.

Talk Title: "Supply Chain Attacks, Cars and Software Updates."

Thursday, Feb. 1 | 3-4 PM

ZOOM

Research Studies
Participation Opportunities

Currently available:

- Center for Information Assurance >>
- Cognition, Language and Speech Lab (CLaSLab) >>
- College of Health Sciences >>
- Department of Psychology >>
- Hearing Aid Research Laboratory >>
- Loewenberg College of Nursing (Heart Failure Study) >>

If your department or college would like to have its research study participation opportunities listed, email thisweek@memphis.edu.

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