FedEx Institute of Technology | The University of Memphis Research & Innovation

A Tennessee Flagship Carnegie R1 Research Institution

RESEARCH + INNOVATION NEWSLETTER

AI and Data Science Partnership in Training

FedEx Institute of Technology and NUS-ISS forge strategic partnership in AI and data science training.

Read Full Story

Boosting Academic and Research Capabilities in AI

University of Memphis is making $1M investment to enhance technology innovation ecosystem.

Read Full Story

Unmanned Aerial Systems Research Investment

Drone research earns CAESER scientist $3.4 Million from U.S. Army Research Office.

Read Full Story

Groundwater Wells and Aquifer Management

Funding for MRM hydrogeologic studies to monitor, understand and detect contamination.

Read Full Story

Professor Receives DVM Honorary Membership

Fatemi honored for his outstanding contributions in innovative research and international co-operation.

Read Full Story

Intelligent Control Systems for Soft Artificial Muscles

NSF’s AI Institute for Artificial and Natural Intelligence awarded Davoodi a grant for project.

Read Full Story

Consumers, Promotions in Retail and Research

Jha co-authors article for Harvard Business Review on precision discounts and effects on sales.

Read Full Story

NSF and Underrepresented Communities

NSF breaking barriers in space careers by providing funding to improve diversity in the workforce.

Read Full Story

Opportunities to Revitalize the Regional Ag Economy

Growing agricultural diversity, production & prosperity in the Mid-South Mississippi Delta.

Read Full Story

Landslide Investigation in Tennessee River Gorge

Could a landslide have caused a prehistoric megaflood in the Tennessee River Gorge?

Read Full Story

ACSM Awards Doctoral Student Research Grant

Biomechanics doctoral student will study in-field measures of Tibial Compressive Force.

Read Full Story

UofM Posts Strong Performance at SETCA

Chemistry students won at poster sessions and one presented an oral talk during the 2024 annual meeting.

Read Full Story

Memphis Collaborative Crisis Response Program

The Center for Community Research and Evaluation received $225k from the Memphis Police Department.

See Full List

Calendar of Events
July 2024

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

See Full List

Research Awards June 2024

Dr. James Whelan was awarded $2,348,297 from the Tennessee Department of Mental Health and Substance Abuse Services.

Dr. Laura Casey awarded $1,765,400 from Tennessee Department of Intellectual and Developmental Disabilities, with the U.S. Department of Education.

Dr. Ashish Joshi awarded $1,043,560 from Shelby County Health Department with the Centers for Disease Control.

Dr. Susan Neely-Barnes awarded $636,438 from the Health Resources and Services Administration.

Dr. Ali Fatemi awarded $230,164 from Steel Founders' Society of America with the U.S. Department of Defense.

Dr. Thomas Sutter awarded $227,304 from the University of Pennsylvania with the National Institutes of Health.

Dr. Santosh Kumar awarded $113,267 from the National Institutes of Health.

Dr. Susan Elswick awarded $100,000 from the Tennessee Department of Mental Health and Substance Abuse Services.

Dr. Satish Kedia awarded $80,000 from Mending Hearts, Inc. with the Substance Abuse & Mental Health Services Administration.

Dr. Chrisann Schiro-Geist awarded $78,000 from the Tennessee Department of Human Services.

Dr. Maxime Paquette awarded $61,268 from New Balance, $15,659 from Mettis Trainer and $2,997 from the University of Massachusetts-Amherst.

Dr. Nathan DeYonker awarded $57,534 from the University of Arizona with the National Science Foundation.

Dr. Okenwa Okoli awarded, $39,600 from Tennessee State University with the National Science Foundation.

Dr. Huigang Liang awarded $19,491 from The University of Texas at Austin with the National Institutes of Health.

Dr. Melissa Marshall awarded $5,250 from Keep America Beautiful.

Dr. James Adelman awarded $2,700 from Tennessee Ornithological Society.

** 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

AI Cybersecurity Conference Speaker Submissions

Call for Speakers

The AI Cybersecurity 2024 Conference planning committee is seeking timely, topical and thought-provoking presentations/proposals for its inaugural conference. The conference is an opportunity to bring together cybersecurity practitioners to promote collaboration and highlight effective and innovative approaches where AI is

used to augment and enhance cybersecurity organizations and teams.

This year's theme, "How do you use AI?" highlights our efforts to bring practitioners together and learn from each other on how to utilize AI safely and responsibly. The event will take place on Aug. 22 at the FedEx Institute of Technology.

Topics of Interest

- **AI and Threat Detection:** Identify and mitigate potential risks with unprecedented speed and accuracy. Our expert speakers will delve into the latest advancements in AI-powered threat detection techniques, showcasing real-world examples of how these technologies safeguard businesses across industries.

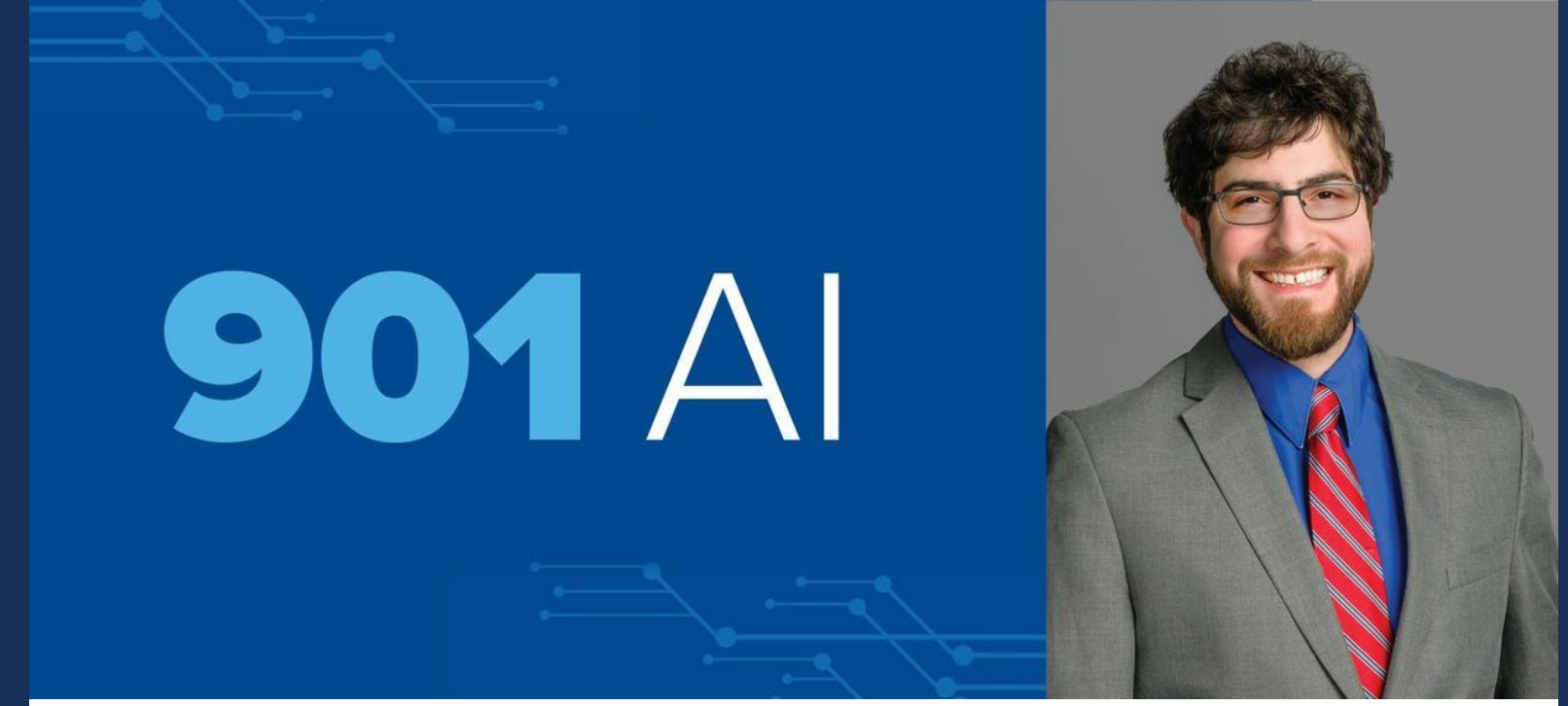
- **AI and Threat Response**
  Experience the cutting-edge AI-driven threat response strategies transforming the cybersecurity landscape. Gain invaluable insights from industry leaders as they share their experiences and best practices in leveraging AI to automate and optimize incident response processes, ensuring rapid and effective containment of cyber threats.
- **AI and Recovery**
  Explore the vital role of AI in streamlining disaster recovery and business continuity efforts in the face of evolving cyber threats. We will discuss how AI-powered tools and techniques are enabling organizations to minimize downtime, reduce data loss, and ensure swift recovery from cybersecurity incidents.

- **AI Governance**
  Engage in thought-provoking discussions on the critical importance of AI governance in the context of cybersecurity. As AI becomes increasingly integral to our cybersecurity strategies, it is crucial to establish robust governance frameworks that ensure these technologies' ethical, transparent, and accountable deployment, fostering trust and mitigating potential risks throughout our organizations.

Proposal Submissions »

Deadline: Friday, July 12 at 5 p.m. CDT. Submissions received after the relevant closing date will not be reviewed.

MORE INFORMATION



901 AI Meetup

July 2024

Guest Speaker: Shahin Samiei, Associate Director of Research and Studies (MD2K)

Title: AI in Mobile Health (mHealth): Utility, privacy, ethics and implications for our health and well-being.

Topic: In this session, Samiei will share experiences with the National Institutes of Health (NIH)-funded mobile health (mHealth) Center of Excellence and Biotechnology Resource Center, headquartered at the University of Memphis. The precision medicine approach which helped to inspire this center-based research 10 years ago is being realized in the form of AI-based platforms that have entered the current cultural zeitgeist. Samiei will also share how AI-based approaches can inform health intervention delivery by highlighting experiences and results from their recent Mobile Open Observation of Daily Stressors (MOODS) study.

July 18 | 4:30-5:30 PM
FedEx Institute of Technology | Methodist Presentation Theatre (103)

REGISTER

MicroCT Scanner Workshop and Presentation

We are excited to announce the installation of a new MicroCT scanner (uCT 100HE SCANCO) on campus at the University of Memphis. To help everyone get acquainted with this incredible tool, the manufacturer will be holding a one-day workshop followed by a presentation. The MicroCT scanner can be used for a variety of applications, including high-resolution 3D imaging of biological samples, additive manufacturing, materials science studies, and more.

If you are interested in using the machine for your research or projects or require more information about the machine and the workshop, contact Dr. Jazaei at fjazaei@memphis.edu. You can find more information about the equipment at µCT 100HE.

Workshop Schedule:
July 20
9:30-11:30 AM: Initial setups and tests
11:30 AM-1:30 PM: Lunch Break
1:30-3 PM: Image analyses and data transfer

Presentation Schedule:
July 21
10-11:30 AM: SCANCO Presentation

Workshop Address:
Integrated Microscopy Center
Life Sciences Bldg., Rm 101
3774 Walker Avenue
Memphis, TN 38152-0001

July 20-21
Integrated Microscopy Center | Life Sciences Bldg., Rm 101

3774 Walker Avenue

FOR MORE INFORMATION

Patents2Products
Deep Science Entrepreneur Post-Doc Fellowships
Now Hiring for the Third Cohort

The University of Memphis FedEx Institute of Technology and Epicenter Memphis are gearing up to launch the third cohort of the Patents2Products Post-Doc program this fall. This groundbreaking initiative seeks to hire post-doc fellows to transform patented intellectual property into thriving commercial startups. This program establishes funded positions for research entrepreneurs within the University, and P2P fellows gain access to research facilities, licensing rights and office space located either in the University of Memphis Research Park or Epicenter Memphis.

The next cohort will begin Sept. 2024. For more details on this exciting venture, contact p2p@memphis.edu or submit your application today.

APPLY TODAY

Quick Links

Research & Innovation News

Research Compliance | Emerging Tech Training

FedEx Institute of Technology

Subscribe Now

Previous Newsletters

Manage your preferences | Opt Out using TrueRemove™
Got this as a forward? Sign up to receive our future emails.
View this email online.

365 Innovation Drive, Suite 303 | Memphis, TN 38152 US

This email was sent to .
To continue receiving our emails, add us to your address book.

emma

Subscribe to our email list.