

# **New Division. New Focus. New**

### **Opportunity.** A new chapter in the story of Research and Innovation at the University of Memphis is being written. The FedEx Institute of Technology and the Office of the Vice President for Research have merged to create the Division of Research &

Innovation. This exciting development will increase the capacity for innovation and open new avenues for research at the University of Memphis. With a renewed focus on expanding research capacity, growing dynamic partnerships and pursuing national recognition as a Carnegie One University, we invite you to become part of this vital transformation.



RESEARCH

#### developed mobile sensor big data software to make it easier to gather, analyze and interpret health data generated by mobile and wearable sensors. By harnessing the sensors

commonly found in smartphones and fitness trackers, along with creating some new ones, MD2K's software has enabled scientists across the country to find new indicators of health states and daily behaviors that provide insight into conditions such as drug addiction, smoking, heart failure and obesity. Now, MD2K has launched a Personal Edition to allow any individual to collect, analyze and make new discoveries from their own data. To learn more and access the free download, visit here. OAK RIDGE National Laboratory



Enhancement Award Winner by Oak

Ridge Associated Universities (ORAU).

Oak Ridge National Lab

Dr. Hoang, who also directs the University's Electronic and Photonic Materials Research Lab, received the award for his work exploring dual-band plasmonic nanostructures for efficient light absorbing and emitting devices. This is part of a larger line of work to boost device efficiency by combining the miniaturized dimensions of novel materials with high speed data rates and enhanced bandwidths achieved by photonic and plasmonic devices. Only a select few researchers from across the nation are honored by Oak Ridge with the prestigious award, granted to scholars within their first two years as University faculty. His collaborator is Dr. Juan Carlos Idrobo of the ORNL Center for Nanophase Materials Sciences. Learn more about Dr. Hoang, or read about the award here. **AFFORDABI** 

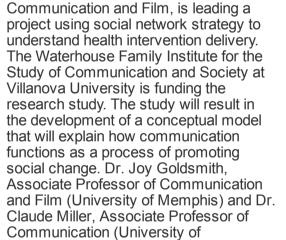


supported research exploring the political

impacts of the Affordable Care Act (ACA), Sances and Clinton found that citizens living in states participating in the ACA's Medicaid expansions become

CARE AC

more active in politics and more favorable toward the health care reform. With continued Sage Foundation support, this team is currently examining the impact of the Medicaid expansions on support for repeal, as well as how members of Congress represent their voters on the issue of health care reform. For more information about Sances' work, visit his website, or read the full journal article.



Oklahoma) are co-investigators. You can learn more about Dr. Terui's research by

visiting her <u>webpage</u>.

**UofM Communication** 

Study

**Faculty Leading Health Intervention Delivery** 

Dr. Sachiko Terui, Assistant Professor of

**BIOLOGISTICS CAST DRONES** 

**SMART Cities** 

**BIOLOGISTICS Research** 

Meet the 2018-2019

**Biologistics 2018-2019 Fellows:** 

Dr. Sanjay Mishra & Dr. Thang Hoang,

**Department of Physics & Materials** 

Cluster

Tracking"

Biologistics"

#### Science."Development of next-generation energy storage device for the biologistic applications: Nanostructured Energy Storage Device" Dr. Omar Skalli, Dr. Judith Cole, & Dr. Amy Abell, Department of Biological **Sciences**. Developing Evidence-Based Best Practices for Shipping Cell Cultures" Dr. Firouzeh Sabri, Department of

Physics & Materials Science. "Detection, Evaluation, and Prediction of Radiation-

Based Damage in Flexible Peel & Stick

Temperature Sensors for Logistics and

Dr. Charles Camp & Dr. Shahram Pezeshk, Department of Civil Engineering. "Post-Disaster Management of Freight Transportation Networks" **Dr. Jeffrey Marchetta, Mechanical Engineering**. "Simulation and Optimization of Advanced Solution for Cold-Chain

Dr. Kevin Berisso, Department of

**Engineering Technology**. "Smart Sensor

Health. "Novel 3D Encapsulation Method

and Device for Storage and Transportation of Living Cells for Improved Biologistics

Communications Congestion Testing" Dr. Mohamed Laradji & Dr. Thang Hoang, Department of Physics and Materials Science. "Plasmon-Enhanced Temperature and Humidity Sensing for Biological and Pharmaceutical Shipments Dr. Pratik Banerjee, School of Public



experiences and backgrounds to the

Computer Science introduces "CS for

All," an introduction to computational

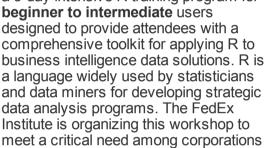
discpline, the UofM Department of

thinking and computing applications, including creative problem-solving, graphic novels, digital arts, social media, artificial intelligence and impacts of computing on society. The fact that computing principles are pervasive in our society and across the sciences has led to a national effort, known as CS For All, aimed to teach computing principles and practices to a broad audience. This course is in line with this national effort. Its aim is to introduce computational thinking and computing

principles to everyone regardless of their academic backgrounds and interests and career goals. For more info on registration, email Lyndsey Rush.

#### Dr. Firouzeh Sabri has been leading cutting edge research in advanced insulation techniques and sensors for the logistics industry. If you think shipping a package is a simple process, then you

**R Immersion Training** 



and nonprofits for a deep quantitative

analysis toolkit designed to meet the

organizations. Register here.

rising big data challenges faced by all

TEAM-UP OR WORK INDEPENDENTLY TO CREATE A VIDEO GAME OVER A SINGLE WEEKEND IT'S FREE TO PARTICIPATE AND INDIVIDUALS OF ALL SKILL LEVELS ARE WELCOME!



## **FedEx ISSRE 2018** INTERNATIONAL SYMPOSIUM ON **SOFTWARE RELIABILITY ENGINEERING**

OCTOBER 15 - 18

**MEMPHIS, TENNESSEE** 

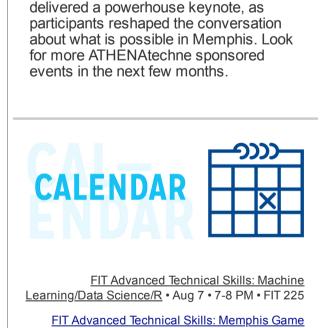
Memphis.

ISSRE is an IEEE conference with strong

industry participation running since 1990 and covering reliability engineering for

software. Register now for this four

conference bringing global leaders to





• Aug 29 • 5:30 - 7 PM • FIT 225

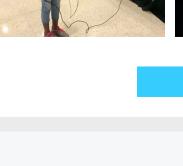
R Immersion Training August 8 - 10 **SAS Programming for R Users** 

August 21 -23

FedEx.



Reimagining What's Next



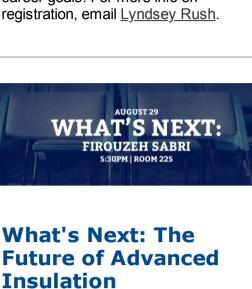
Manage your preferences | Opt out using TrueRemove™ Got this as a forward? **Sign up** to receive our future emails View this email online.

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365 Innovation Drive, Suite 303 Memphis, TN | 38152 US This email was sent to

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emma<sup>\*</sup>



### August 29 5:30-7 PM have to attend this talk. Come learn what's next in the future of logistics insultation and sensor-based technology. Food will be served. Register

here.

August 8-10 The Immersion in R for Data Science, is a 3-day intensive R training program for







Developers • Aug 8 • 6 - 9 PM • FIT 225 FIT Advanced Technical Skills: MEMPass/Power BI Meetup • Aug 9 • 5:30 - 8:30 PM • FIT 225 <u>Ludum Dare Game Jam</u> • August 10-12 • FIT 225 FIT Advanced Technical Skills Series: Memphis WebWorkers • Aug 14 • 6:15 - 8:15 PM • FIT 225





