

Information session on Financial Infrastructure Stability and Cyber-security (FISC) Center

Friday, February 16, 2018 / 12:30-1:30pm



Dr. Pankaj Jain

George Johnson Professor and Interim Department
Chair of Finance, Insurance and Real Estate,
University of Memphis



Rasheek Irtisam

PhD student,
University of Memphis

Abstract:

The goal of FISC is to identify systemic threats to financial infrastructure stability and market resiliency by applying big data analytics, machine learning, and advanced statistical techniques to financial data. The proposed center will build capacity to process large datasets, read distributed ledgers generated by blockchain technology (FINTECH), and extend the analysis to cyber-security applications by engaging full time PhD/graduate students in Finance, Statistics, MIS, and Computer Science. Our objective is to publish financial cybersecurity research on topics currently being funded by government agencies and relevant to industry: Anonymous Networks & Currencies (Cryptocurrencies), Cyber Risk Economics (CyRIE), Cyber Security Forensics, Cybersecurity Competitions, Enterprise Level Security Metrics and Usability, and Insider Threats. This activity will involve inter-disciplinary sub-teams identifying and engaging in writing up top-tier journal article manuscripts for publication in various business, computer science, and statistics journal outlets given different team members interests.

Url: <http://www.memphis.edu/finance/research/fisc.php>

About the Speakers:

Prof Pankaj Jain is George Johnson Professor and Interim Department Chair of Finance, Insurance and Real Estate at the Fogelman College of Business & Economics at the University of Memphis. Under the Intergovernmental Personnel Agreement (IPA) Act, he has served at several regulatory agencies in Washington DC, such as the DERA's Office of Markets in the US Securities and Exchange Commission (SEC), Office of Financial Research at the US Treasury, and the Office of Chief Economist at the Commodity Futures Trading Commission (CFTC). He also served as an advisory council member and for the Wang Center for International Business Education and Research (CIBER), academic director of the iMBA program, and expert faculty at the Financial Infrastructure Stability and Cybersecurity (FISC) Center of research excellence. Previously, his other industry experiences includes 3 years with a leading investment bank and consulting and training at the world's foremost financial and information organizations such as the New York Stock Exchange, National Stock Exchange, and Google Inc.

Rasheek Irtisam is a second year PhD student at the Department of Finance, Insurance and Real Estate at the Fogelman College of Business & Economics at the University of Memphis. He is also serving as the project manager of the Financial Infrastructure Stability and Cyber-security (FISC) Center. His research interest includes how reviews on social media platform such as Yelp affect stock price. He is also working with Dr. Pankaj Jain and Dr. Leah Windsor (Research Assistant Professor, Institute for Intelligent Systems) on computational analysis of political texts and their effect on exchange rate volatility and other macroeconomic factors.

Reception in Dunn Hall 336 - 1:30pm