The College of Computing and the College of Engineering are pleased to present a lecture by faculty candidate

Lan Zhang

Wednesday, February 5, 2020

3:00 pm   Chem. Sci. 101

Machine Learning Enabled Better Cyber-Physical Systems: A Case Study on Better Networking for Connected Vehicles

With the recent success of big data analytics, machine learning is being used in various cyber-physical systems (CPS) applications, such as smart transportation, smart healthcare, and industrial automation. CPS applications require machine learning-enabled wireless communication strategies to facilitate information exchanges, which call for secure and private learning pipelines to manage information exchanges. In this talk, I focus on connected vehicles, aiming to support the demand for multi-Gbps sensory data exchanges through millimeter-wave bands for enhancing (semi)-autonomous driving.

Lan Zhang is a Ph.D. candidate in the Department of Electrical and Computer Engineering at the University of Florida. Zhang's research interests span across the fields of big data, cyber-physical systems, machine learning, wireless communications, and cybersecurity.

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