June 15-16, 2020 5:30 - 8:00 PM PDT

June 16-17, 2020 8:30 - 11:00 AM CDT

Coordinators: Professor Cauligi Raghavendra, USC and Professor Wang Yu, THU

Zoom link to register: https://tinyurl.com/USCTHU2020

Agenda

Day 1 Symposium Opening: June 15 at USC / June 16 at THU

5:30-5:50 PM at USC / 8:30-8:50 AM at THU – Opening Remarks

Yannis Yortsos (Dean, Viterbi School of Engineering, USC)

Qionghai Dai (Dean, School of Information Science and Technology, THU)

5:50-6:00 PM at USC / 8:50-9:00 AM at THU – Greetings from the Sponsor

Feng Deng, Managing Director, Northern Light Venture Capital

Technical Session 1

6:00-6:20 PM at USC / 9:00-9:20 AM at THU

Yannis Yortsos and Assad Oberai, USC: A Comprehensive Spatial-Temporal Infection Spreading Model, with Applications to COVID-19.

6:20-6:40 PM at USC / 9:20-9:40 AM at THU

Yong Li, THU: Urban Epidemic Modeling and Control with Human Mobility

6:40-7:00 PM at USC / 9:40-10:00 AM at THU

Viktor Prasanna, USC: Machine Learning to Track the Spread of COVID-19

Technical Session 2

7:00-7:20 PM at USC / 10:00-10:20 AM at THU

Jianmin Wang, **THU:** Apache ioTDB: A Time Series Database for Internet of Things

7:20-7:40 PM at USC / 10:20-10:40 AM at THU

Cyrus Shahabi, USC: PREP: Pandemic Risk Evaluation Platform -- Beyond Contact Tracing for COVID-19

7:40-8:00 PM at USC / 10:40-11:00 AM at THU

Jun Zhu, **THU:** Deep Probabilistic Programming

Day 2: June 16 at USC / June 17 at THU

Technical Session 3

5:30-5:50 PM at USC / 8:30-8:50 AM at THU

Andrea Armani, USC: Emergency Engineering: Translating Innovation into Impact

5:50-6:10 PM at USC / 8:50-9:10 AM at THU

Satyandra Kumar Gupta, USC: Realizing Next Generation Additive Manufacturing through Use of Advanced Robotics

6:10-6:30 PM at USC / 9:10-9:30 AM at THU

Sheng Zhou, THU: Timely Communication and Computing for Connected Vehicles

Technical Session 4

6:30-6:50 PM at USC / 9:30-9:50 AM at THU

Huaqiang Wu, THU: Analog Computing in Memory with Memristor, from Device to System

6:50-7:10 PM at USC / 9:50-10:10 AM at THU

Bhaskar Krishnamachari, USC: Privacy-sensitive Mobile-based Contact Tracing for Epidemics

7:10-7:30 PM at USC / 10:10-10:30 AM at THU

Qingshan Jia, THU: Decision Making for IoT-Enabled Smart Buildings – An Event-Based Method

7:30-7:50 PM at USC / 10:30-10:50 AM at THU

Xiang Ren, USC: Label Efficient Learning with Explanations and Background Knowledge

Questions and Recording

This symposium will be recorded. All sessions and select slide decks will be available at https://viterbischool.usc.edu/online-events-series/ after the event. For any specific questions regarding the symposium, please contact Professor Cauligi Raghavendra at raghu@vsoe.usc.edu. For general inquiries, please contact Tiffany Tay at ttay@usc.edu.