USC-Arizona Center on Trustworthy AI

Fall 2022 Kickoff Meeting

Friday, September 23, 2022

9:00 a.m. Opening Remarks: Salman Avestimehr (Center Director) and Prem Natarajan (Center Liaison)

9:15 a.m. Bilinear Mechanisms for Physical Layer Security in the Internet of Things, Urbashi Mitra (Professor of Electrical and Computer Engineering and Computer Science)

9:45 a.m. Controlled and Trustworthy Text Generation, Jiao Sun (PhD Student Amazon ML Fellow)

10:15 a.m. Fair Backpropagation: A Scalable Framework for Fair Empirical Risk Minimization, Meisam Razaviyayn (Assistant Professor of Industrial & Systems Engineering, Electrical Engineering, and Computer Science)

10:45 a.m. Towards more Human-centric and Humanoid AI for computer Vision, Yunhao Ge (PhD Student Amazon ML Fellow)

11:15 a.m. Federated Learning with Secure Aggregation: Accessing and Improving its Privacy, Konstantinos Psounis (Professor of Electrical and Computer Engineering and Computer Science)

11:45 a.m. Toward Designing Trustworthy Human-Centered Applications, Shrikanth Narayanan (Professor of Electrical and Computer Engineering and Computer Science)

12:15 p.m. Lunch

1:30 p.m. Privacy and Fairness Practice on Location Data, Sina Shaham (PhD Student Amazon ML Fellow)

2:00 p.m. Deep learning and data geometry: A data-driven graph framework for explainable and trustworthy AI, Antonio Ortega (Professor of Electrical and Computer Engineering)

2:30 p.m. Social Mixer. Light refreshments will be served.