

# USC-Amazon 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.