TECH TUESDAY SEMINAR SERIES

COLLEGE OF ENGINEERING | School of Electrical Engineering and Computer Science

A Brief Overview of Secure Multiparty Computation

ABSTRACT

Secure multi-party computation (MPC) has evolved from a theoretical curiosity in the 1980s to a tool for building real systems today. Over the past decade, MPC has been one of the most active research areas in both theoretical and applied cryptography. This talk will provide an overview of the important concepts and developments leading to this progress and highlight some of the current research challenges.

SPEAKER BIO

Mike Rosulek is an associate professor in the School of Electrical Engineering and Computer Science. He has a Ph.D. in Computer Science from the University of Illinois and a B.S. in Computer Science from Iowa State University. Before coming to Oregon State University in 2013, he was an assistant professor of Computer Science at the University of Montana.

Rosulek's research interests are in the theory and practice of cryptography, especially protocols for computing on private data. His work in this area has been recognized with an NSF CAREER award and faculty research awards from Google and Visa Research.

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TUESDAY
January 12, 2021

Talk: 11:00-11:30 AM PDT
Q/A: 11:30-11:45

Zoom: https://beav.es/tech-talk

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