



2016 Fall Research Review Agenda

Thursday, October 13, 2016

9:00 a.m. **Breakfast** [The Institute of the Americas Complex, Malamud Room at the Weaver Conference Center]

9:30 a.m. **Welcome and Round Table Introductions**
George Porter, CNS Co-Director and CSE Professor

9:50 a.m. **George Porter - Session Chair**

Superhacks: Exploring and preventing vulnerabilities in browser binding code (30 min.)
Deian Stefan, CSE Professor

RATS: Remote Access Vulnerabilities (30 min.)
Brown Farinholt, CSE Graduate Student (Stefan Savage, Geoffrey M. Voelker, and Researcher Kirill Levchenko)

Industry Speaker: Ian Swett
Software Developer at YouTube and one of the authors of QUIC
Talk Title: QUIC @YouTube (40 min.)

11:30 a.m. **Group photograph** [Institute of the Americas Courtyard]

11:35 a.m. **Lunch** [Great Hall]

1:20 p.m. **Industry Member Lightning Talk Sign-up [Malamud Room]**

1:30 p.m. **Alex Snoeren - Session Chair**

Measuring Profitability of Alternative Crypto-currencies (30 min.)
Danny Huang, CSE Graduate Student (Alex Snoeren and Kirill Levchenko)

RotorNet: A Scalable, Low-complexity, Optical Datacenter Network (30 min.)
William (Max) Mellette, CSE Postdoctoral Researcher (George Porter and Alex Snoeren)

2:30 p.m. **Break and Informal Interaction (30 min.)**

3:00 p.m. **Keynote Speaker: Edward Wu**
Senior Product Manager at Niantic who leads the engineering team of Pokémon GO
Talk Title: Creation of planet-scale shared augmented realities: Pokémon GO and Ingress (60 min.)
[Talk to be held in Hojel Hall at the Institute of the Americas Complex]

4:15 p.m. **Kirill Levchenko- Session Chair**

Trusted Browsers for Uncertain Times (30 min.)
David Kohlbrenner, CSE Graduate Student (Hovav Shacham)

Data-intensive Video Processing in the Cloud with AWS Lambda (30 min.)
George Porter, CSE/CNS Professor and CNS Co-Director

5:15 p.m. **Lightning talk round (45 min.)**

6:00 p.m. **Graduate Student Poster Session and Dinner Reception [Great Hall]**

*All sessions will be held in the Institute of the Americas Complex, Malamud Room at the Weaver Conference Center unless otherwise noted.



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Friday, October 14, 2016

8:45 a.m. **[CNS Advisory Board meeting – Deutz Room]**

9:00 a.m. Breakfast [The Institute of the Americas Complex, Malamud Room at the Weaver Conference Center]

9:30 a.m. **Geoffrey M. Voelker - Session Chair**

The Brave New World of Generic Top-Level Domains (30 min.)

Geoffrey M. Voelker, CSE/CNS Professor

Reliability in NOVA, a file system for Non-Volatile Main Memory (30 min.)

Andiry Xu, CSE Graduate Student

Passive realtime production datacenter fault detection (30 min.)

Arjun Roy, CSE Graduate Student (Alex Snoeren and Ken Yocum)

11:00 a.m. **Open Floor** [*feedback from company representatives*]

11:30 a.m. **Lunch** [Deutz Room]

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