



2015 Fall Research Review Agenda

Tuesday, October 20, 2015

- 9:00 a.m. **Breakfast** (Price Center Ballroom East, Muir room)
- 9:30 a.m. **Welcome and Round Table Introductions**
Stefan Savage, CNS Director and CSE Professor
- 9:45 a.m. **CNS Security Background**
Stefan Savage, CNS Director and CSE Professor
- 10:15 a.m. **Ecosystem Research** (Stefan Savage session chair)
- Affiliate Fraud and Cookie Stuffing (20mins)
Neha Chachra (Voelker/Savage)
- Novel Abuse for Monetizing Cryptocurrencies (20mins)
Danny Huang (Snoeren/Levchenko)
- Search Fraud and Interventions (20mins)
Geoff Voelker
- 11:30 a.m. **Group photograph**
- 11:35 a.m. **Lunch** (Price Center Forum)
- 1:30 p.m. **Industry Talk: Fast-Sketch Hash: A fuzzy hashing technique for clustering and its applications for detecting malicious Javascript** (30mins)
Mark Hammell (Facebook)
- 2:00 p.m. **Low-level vulnerabilities** (Alex Snoeren session chair)
- On Subnormal Floating Point and Abnormal Timing (20mins)
David Kohlbrenner (Shacham)
- Too LeJIT to Quit : JIT Spraying on the ARM (20mins)
Wilson Lian (Shacham/Savage)
- 2:50 p.m. **Break and Informal Interaction**
- 3:20 p.m. **Industry talk: Blackmarket-driven Interventions: From Research to Practice** (50mins)
Kurt Thomas (Google)
- 4:10 p.m. **Software defenses** (Geoff Voelker session chair)
- Efficient CFI Enforcement for C++ Dynamic Dispatch (20mins)
Dimitar Bounov (Lerner)
- Building Least Privileged Web Applications with Node.js (20mins)
Deian Stefan
- 5:00 p.m. **Lightning talk round**
- 6:00 p.m. **Graduate Student Poster Session and Dinner Reception** (Great Hall)

*All sessions will be held in the Price Center Ballroom East, unless otherwise indicated.



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Wednesday, October 21, 2015

- 8:45 a.m. **CNS Advisory Board meeting** (Price Center Ballroom East)
- 9:00 a.m. **Breakfast** (Price Center Ballroom East, John Muir room)
- 9:30 p.m. **Industry talk: Data Analytics for Actionable Security and Risk Assessment** (30mins)
Petros Efstathopoulos (Symantec)
- 10:00 a.m. **Internet of Things** (Kirill Levchenko session chair)
- Fast and Vulnerable: Exploring the Security of an OBD-II dongle (20mins)
Stefan Savage
 - Wireless Channels Vulnerabilities in Electrical SCADA (20mins)
Karl Koscher
 - Up in Sky: Towards a Security Analysis of Transport Aircraft (20mins)
Kirill Levchenko
- 11:15 **Open Floor** (*feedback from company representatives*)
- 11:35 p.m. **Lunch** (Price Center Forum) [lunch done by 1:00]