

2016 Spring Research Review Agenda

Wednesday, April 20, 2016

- 9:00 a.m. **Registration and Breakfast** (The Institute of the Americas Complex, Malamud Room at the Weaver Conference Center)
- 9:30 a.m. **Welcome and Round Table Introductions**
Stefan Savage and George Porter, CNS Co-Directors and CSE Professors
- 9:50 a.m. **George Porter - Session Chair**
- 1st Keynote Speaker:**
Securing Mobile Products from Qualcomm's Position in the Supply Chain (40 min.)
Alex Gantman, Vice President of Product Security Engineering, Qualcomm
- NOVA: A Log-structured File System for Hybrid Volatile/Non-volatile Main Memories (30 min.)**
Steven Swanson, CSE/CNS Professor
- The Early Checker Gets the Worm: Proactively Checking Configurations to Catch Latent Errors**
Tianyin Xu (YY Zhou) (30 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. **2nd Keynote Speaker:**
New Directions in Data Center Design
Peter Lee, Corporate Vice President, Microsoft Research
- 2:30 p.m. **Break and Informal Interaction**
- 3:00 p.m. **Alex Snoeren - Session Chair**
- Elliptic curves in kleptography: The case of the Dual EC random number generator (with special guest stars EMC and Juniper) (30 min.)**
Hovav Shacham, CSE/CNS Professor
- Leveraging Internet Background Radiation for Opportunistic Network Analysis (30 min.)**
Karyn Benson (Alex Snoeren, kc claffy)
- 4:00 p.m. **Break and Informal Interaction (15 min.)**
- Automating Realtime Datacenter Fault Detection, Localization and Mitigation (30 min.)**
Arjun Roy (Alex Snoeren)
- Information Leakage in Text Redaction (30 min.)**
Steven Hill (Lawrence Saul, Geoffrey Voelker, Stefan Savage)
- 5:15 p.m. **Lightning talk round**
- 6:00 p.m. **Graduate Student Poster Session and Dinner Reception** (Great Hall)



2016 Spring Research Review Agenda

Thursday, April 21, 2016

- 8:45 a.m. (CNS Advisory Board meeting - Great Hall)
- 9:00 a.m. **Breakfast** (The Institute of the Americas Complex, Malamud Room at the Weaver Conference Center)
- 9:30 a.m. **Kirill Levchenko - Session Chair**
- Defending Mobile Devices from Malicious/Faulty 3rd Party Apps (30 min.)**
Ryan Huang (YY Zhou)
- Resilience of Deployed TCP to Blind Attacks (15 min.)**
Tiange Wu (k c claffy)
- Fine-grained fault isolation for Deep Packet Inspection Engines (30 min.)**
Zhaomo Yang (Kirill Levchenko)
- A Scalable, Non-Crossbar Optical Switch for Data Communication Networks (30 min.)**
William (Max) Mellette (Joe Ford)
- Data Center Networking in a Post Clos Topology World (30 min.)**
George Porter, CSE/CNS Professor
- 11:45 a.m. **Open Floor** (*feedback from company representatives*)
- 12:00 p.m. **Lunch** (Great Hall)