



CNS 2017 Research Review Agenda

Thursday, October 19, 2017

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 and Stefan Savage, CNS Co-Directors and CSE Professors

9:45 a.m. **George Porter – Session Chair**

Exploring the Dynamics of Search Advertiser Fraud (30 min.)
Joe DeBlasio, CSE Graduate Student (Alex Snoeren)

Context-awareness for IoT Systems (15 min.)
Tajana Simunic Rosing, CSE Professor

IoT System Reliability and Maintainability (15 min.)
Tajana Simunic Rosing, CSE Professor

NOVA: A High-Performance, Fault-Tolerant File System for Non-Volatile Main Memories (30 min.)
Lu Zhang, CSE Graduate Student (Steven Swanson)

Progress Toward a Distributed File System for Non-Volatile Main Memories (15 min.)
Jian Yang, CSE Graduate Student (Steven Swanson)

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. **Deian Stefan - Session Chair**

Malicious Browser Extensions at Scale: Bridging the Observability Gap between Web Site and Browser (30 min.)
Louis Dekoven, CSE Graduate Student (Geoffrey Voelker and Stefan Savage)

Chilling Effect of Legal Threats on Vulnerability Research (30 min.)
Alex Gamero-Garrido, CSE Graduate Student (Alex Snoeren and kc claffy)

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

3:00 p.m. **Geoffrey Voelker – Session Chair**

Verifying Distributed Programs Via Canonical Sequentialization (30 min.)
Klaus Freiherr Von Gleisenthall, CSE Postdoctoral Researcher (Ranjit Jhala and Sorin Lerner)

Analysis of Congestion at African IXPs (to be presented at IMC 2017) (30 min.)
Amogh Dhamdhere, CAIDA Research Scientist (kc claffy)

DSPs in Data Centers (30 min.)
Moein Khazraee, CSE Graduate Student (Aaron Schulman)

5:15 p.m. **Stefan Savage – Session Chair**

Lightning talk round (45 min.)

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

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CNS 2017 Research Review Agenda

Friday, October 20, 2017

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

9:30 a.m. **Arun Kumar - Session Chair**

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

SLAB: A Scalable Linear Algebra Benchmark (15 min.)
Anthony Thomas, CSE Graduate Student (Arun Kumar)

Feature Materialization Trade-offs for Scalable Transfer Learning with Deep CNNs (15 min.)
Supun Nakandala, CSE Graduate Student (Arun Kumar)

Datalography: Scaling Datalog Graph Analytics on Graph Processing Systems (30 min.)
Vicky Papavasileiou, CSE Graduate Student (Alin Deutsch)

IODA: Internet Outage Detection and Analysis (30 min.)
Alberto Dainotti, CAIDA Research Scientist (kc claffy)

11:30 a.m. **Open Floor** [*feedback from company representatives*]

12:00 p.m. **Lunch** [Deutz Room]

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