



CNS 2020 Research Review Agenda

Thursday, October 15, 2020

9:00 a.m. **Welcome**

Stefan Savage and George Porter, CNS Co-Directors and CSE Professors

9:15 a.m. **Session 1**

Trufflehunter: Sniffing Out Rare Domains in Large Public DNS Resolvers (15 min + 5 min Q&A)
Audrey Randall, CSE Graduate Student (Aaron Schulman, Geoff Voelker, Stefan Savage)

RLBox: secure sandboxing for buggy/unsafe application components (15 min + 5 min Q&A)
Shravan Narayan, CSE Graduate Student (Deian Stefan)

Risky BIZness (15 min + 5 min Q&A)
Gautam Akiwate, CSE Graduate Student (Geoff Voelker, Stefan Savage)

10:15 a.m. **Break and Informal Interaction** (15 min)

Option to stay with the main Zoom meeting with continuous 2-minute lightning presentations OR join any Zoom room for open discussion.

10:30 a.m. **Session 2**

Disaggregating Persistent Memory and Controlling Them Remotely: An Exploration of Passive Disaggregated Key-Value Stores (15 min + 5 min Q&A)
Yizhou Shan, CSE Graduate Student (Yiyang Zhang)

Cerebro: A Layered Data Platform for Scalable Deep Learning (15 min + 5 min Q&A)
Yuhao Zhang and Supun Nakandala, CSE Graduate Students (Arun Kumar)

Corrosion Batteries: Repurposing today's infrastructure to power tomorrow's Smart City (15 min + 5 min Q&A)
Dhananjay Jagtap, ECE Graduate Student (Pat Pannuto)

11:30 p.m. **Break and Informal Interaction** (15 min)

Option to stay with the main Zoom meeting with continuous 2-minute lightning presentations OR join any Zoom room for open discussion.

11:45 p.m. **Session 3**

ActiveP4: Enabling Active Networking on Programmable Switch Hardware (15 min + 5 min Q&A)
Rajdeep Das, CSE Graduate Student (Alex Snoeren)

Serverless Scheduling (15 min + 5 min Q&A)
Lixiang Ao, CSE Graduate Student (George Porter, Geoff Voelker)

Building a Safety Verifier for WASM (15 min + 5 min Q&A)
Evan Johnson, CSE Graduate Student (Deian Stefan, Stefan Savage)

12:45 p.m. **Concluding Remarks and Feedback from Company Representatives**