

AGENDA

The Platform Lab Review Meeting
February 9, 2017

- 8:00 AM **Registration and Breakfast**
- 8:30 AM **Platform Lab Overview** — John Ousterhout
- 9:15 AM **Big Control Platform (BCP) Abstractions and Services**
- Directed Information Gathering — Mac Schwager
 - Deep Reinforcement Learning for Device Control — Blake Wulfe
 - Distributed Geometric Data Structures — Philip Levis
- 10:30 AM **Break**
- 11:00 AM **Self-Driving Programmable Networks**
- Data Driven Networking — Sachin Katti
 - Self Driving Networks — Balaji Prabhakar
 - Weld: Fast Data Analytics on Modern Hardware — Shoumik Palkar
- 12:15 PM **Lightning Talks by Students** — Feiran Wang, Zi Yin
- 12:45 PM **Lunch and Poster Session**
- 2:00 PM **Invited Sponsor Talks**
- Network Management beyond SDN — Jeff Mogul, Google
 - Potential Big Control Use Cases — Ayush Sharma, Huawei
- 2:45 PM **Panel on Granular Computing**
Keith Winstein, Christos Kozyrakis, Philip Levis, John Ousterhout
- 3:45 PM **Break**
- 4:15 PM **Granular Computing Platform**
- NanoLog: A Nanosecond Scale Logger — Stephen Yang
 - RAIL: Predictable, Low Tail Latency for Flash-based SSDs — Heiner Litz
 - TETRIS: Scalable and Efficient Neural Network Acceleration with 3D Memory — Mingyu Gao
- 5:30 PM **Wrap up**
- 5:45 PM **Reception**