

# Workshop Agenda

## Software Defined Networking Program Review

### Topic: Deploying a Prototype Operational Network

### December 17–18, NSF

#### Day 1

- 8:00–9:00 Breakfast and registration desk
- 9:00–9:10 Welcome PI: Inder Monga
- 9:10–9:30 Welcome/overview: Nick Maynard, Invited
- 9:30–9:50 Keynote 1: Macro Trends, Complexity, and the Current Status of Software Defined Networking, Dr. David Meyer, Brocade
- 9:50–10:10 Keynote 2: Future of SDN, Dr. Jennifer Rexford, Princeton
- 10:10–10:40 Keynote 3: SDN operational testbed deployment, operations, management:
  - Lorenzo Vicisano, Google
  - Rob Vietzke, Internet2
- 10:40–11:10 Keynote 4: SDN Security
  - Phil Porras, SRI
  - Roy Campbell, University of Illinois
- 11:10–11:30 Break
- 11:30–12:15 Lightning talks (5 minutes each): Set the themes for the Breakout groups
  - SDX: A Software-Defined Internet Exchange, Nick Feamster, Georgia Tech
  - SDN Research: in production, Josh Bailey, Google
  - CORONET Dynamic Networking: Progress and Challenges, Ann Von Lehmen, Applied Communication Sciences
  - Network Virtualization, Ali Al-Shabibi, ON.Lab
  - SDN enabled network infrastructure deployment in support of Verizon Digital Media Services, Hwa-Jung Han, Verizon
  - Multi-layer, Multi-domain SDN, Eric Pouyoul, ESnet
- 12:15–12:30 Workshop PI: Summary and Breakout Group Description
  - Users, Applications and Motivation (UAM)
    - o Co-Leads - Chip Elliot and Ron Hutchins
  - Technology and Operational gap analysis (TOD)
    - o Co-leads - Inder Monga, Bill Snow, Eric Boyd
  - Security and policy
    - o Lead - Roy Campbell



- 12:30–1:15 Lunch
- 1:15–3:30 Breakout group meetings
- 3:30–3:45 Break
- 3:45–4:45 Breakout group meetings
- 4:45–5:30 Plenary Meeting
- Each breakout group has 10 minutes to present their initial findings

6 pm onwards: Optional Social activity

## Day 2

- 8:30–9:00 Breakfast
- 9:00–9:20 Welcome, Day 2
- 9:20–9:40 Charge for Day 2
- 9:40–12:00 Breakout group meetings
- 12:00–1:30 Lunch
- 1:30–3:00 Breakout groups develop final recommendations, responsibilities, timing
- 3:00–3:15 Break
- 3:15–5:00 Plenary session report out of the Breakout groups and discussion