

# ASCR Intelligent Optical Network Infrastructure Workshop Agenda

(Smart Networks & Middleware Services for Open Distributed Science BigData Infrastructures)

August 5-6, 2014

Hilton Hotel, Gaithersburg, MD

## August 5, 2014: Day 1: SDN, Data Services for Science Applications

- 08:00 - 08:15 AM Workshop Logistics
- 08:15 - 08:30 AM Welcome – T. Ndousse-Fetter (ASCR)
- 08:30 - 09:00 AM Plenary Talk 1: David Cohen (Intel)
- 09:00 - 09:45 AM Plenary Talk 2: Peter Nugent (LBNL)  
Title: Real-Time Data Analysis in Astrophysical Surveys: 2014 and Beyond
- 09:45 - 10:30 AM Coffee Break
- 10:45 - 12:00 AM Parallel Breakout Sessions
- **Breakout Session #1: Intelligent Network and Middleware Services: SDN-Oriented End-to-End Networking**
  - **Breakout Session #2: Federated Science BigData infrastructures with SDN-enabled Services and Workflows**
- 12:00 - 01:00 PM Lunch
- 01:00 - 02:00 PM Panel #1:
- **Panel 1 Title: Intelligent Networking with SDN: Implications for end-to-end Internetworking - Current State of the Art, Emerging Technologies, and Future Visions**
- 2:30 - 3:00 PM Coffee Break
- 3:00 - 5:00 PM Parallel Breakout Sessions
- **Breakout Session #1: Intelligent Network and Middleware Services: SDN-Oriented End-to-End Networking**
  - **Breakout Session #2: Federated Science BigData infrastructures with SDN-enabled Services and Workflows**
- 5:00 - 6:00 PM Joint session
- 6:00 PM **Adjourn for the day**

## August 6, 2014: Day 2: DOE-Specific Data and Areas

- 08:00 - 08:15 AM Workshop Logistics
- 08:15 - 08:30 AM Remarks/Workshop progress – T. Ndousse-Fetter (ASCR)
- 08:30 - 10:00 AM Panel #2:
- **Panel 2 Title: SDN-Oriented Networking and Distributed Data management: Implication for Science networking Infrastructures and Distributed Data-intensive Science**
- 10:00 - 10:15 AM Coffee
- 10:15 - 12:00 PM Parallel Breakout Sessions
- **Breakout Session #1: Intelligent Network and Middleware Services: SDN-Oriented End-to-End Networking**
  - **Breakout Session #2: Federated Science BigData infrastructures with SDN-enabled Services and Workflows**
- 12:00 - 01:00 PM Lunch
- 01:00 - 02:00 PM Summary of Breakout Sessions: Session Leads
- 02:00 - 03:00 PM Workshop report & Wrap-up Session
- 3:00 PM Adjourn of main workshop
- 3:00 – 5:00 PM **Report planning session – Organizers/Breakout leads**