

## OIN 19 Workshop Agenda (v5 – May 25<sup>th</sup> 2017)

Presenters: Jason Zurawski (ESnet), Kate Mace (ESnet), Vas Vasiliadis (University of Chicagi)

- **University of Utah, C Roland Christensen Center, Room CRCC 215 (1645 Campus Center Dr, Salt Lake City, UT, 84112)**
- **Day 1 (Weds June 14<sup>th</sup>) = Science DMZ**
  - **Breakfast (7:30am – 8:30am = 1hr)**
  - **Morning 1 (8:30am – 10:00am = 1 hrs 30min)**
    - **5 min = Welcome**
      - **Presented by Thomas Cheatham, Director, Research Computing and the Center for High Performance Computing, University Information Technology Professor, Department of Medicinal Chemistry**
    - 10 Min = Introductions & Motivation
      - **Presented by IU, ESnet, Internet2**
    - 30 Min = Workshop Introduction & Science Engagement
      - **Presented by Kate**
    - 45 Min = Science DMZ Architecture
      - Motivation for design pattern, Architecture discussion
      - **Presented by Jason**
  - **Break (30 min)**
  - **Morning 2 (10:30am -12:00pm = 1 hrs 30min)**
    - 45 Min = Science DMZ Security, Best Practices
      - Security Discussion, techniques, policy. Bro
      - **Presented by Kate**
    - 45 Min = DTN Design/Data Transfer Tools
      - Overview of hardware, use of software
      - **Presented by Jason**
  - **Lunch (12:00pm – 1:00pm)**
  - **Afternoon 1 (1:00pm – 3:00pm = 2hr)**
    - 75 Min = Globus Presentation & Hands on
      - Presentation on Globus as a data transfer tool
      - Hands on
      - **Presented by Vas**
    - 45 Min = Intro to perfSONAR
      - **Presented by Jason**
  - **Break (30 min)**
  - **Afternoon 2 (3:30pm – 5:00pm = 1 hr 30 min)**
    - 30 Min = perfSONAR Debugging
      - **Presented by Jason @ U of Utah**
    - 45 Min = High Performance Computing in Medical Genomics
      - **Presented by Barry Moore/Carson Holt, UStar Center for Genomics Discovery**
    - 15 Min = Discussion Topics, Questions, Spill

Presenters: Uwe Dahlmann (GRNOC), Hans Addleman (IU International Networks), John Hicks (Internet2)

- **University of Utah, C Roland Christensen Center, Room CRCC 215 (1645 Campus Center Dr, Salt Lake City, UT, 84112)**
- **Day 2 (Thurs June 15<sup>th</sup>)= SDN & AL2S**
  - **Breakfast (7:30am – 8:30am = 1hr)**
  - **Morning 1 (8:30am – 10:00am = 1.5hrs)**
    - 15 Minutes = Intro to SDN
      - **Presented by Uwe & Hans**
    - 75 Minutes = SDN Building Blocks, & Current State
      - Introduction, SciPass
      - **Presented by Uwe & Hans**
  - **Break (30 min)**
  - **Morning 2 (10:30am -12:00pm = 1.5 hrs)**
    - 60 Minutes = OpenFlow Tutorial
      - **Presented by Uwe & Hans**
    - 30 Minutes = Openflow Hands-on 1
      - **Presented by Uwe & Hans**
  - **Lunch (12:00pm – 1:00pm)**
  - **Afternoon 1 (1:00pm – 3pm = 2 hrs)**
    - 30 minutes = OpenFlow Hands-on Exercise 2
      - **Presented by Uwe & Hans**
    - 60 Min = SciPass Hands-on
      - **Presented by Uwe & Hans**
  - **Break (30 min)**
  - **Afternoon 2 (3:30pm – 5:00pm = 1.5hrs)**
    - 45 Min = Other SDN approaches: Example the GRNOC Dist-Tool
      - **Presented by Uwe & Hans**
    - 45 Min = How to Connect to AL2S
      - **Presented by John**