

OIN 16 Workshop Agenda (v6 – December 5th 2016)

Presenters: Jason Zurawski (ESnet), Kate Mace (ESnet), Scott Chevalier (IU International Networking), Vas Vasiliadis (Globus)

- **Room 1 & 2 @ Vanderbilt University Student Life Center, Nashville TN**
- **Day 1 (Tues December 13th) = Science DMZ**
 - **Breakfast (8am – 8:30am = .5hr)**
 - **Morning 1 (8:30am – 10:00am = 1 hrs 30min)**
 - **Welcome**
 - **Shanmuga Sundaram - Assistant Vice Chancellor of Infrastructure and Security in Vanderbilt University Information Technology (VUIT)**
 - 15 Min = Introductions & Motivation
 - **Presented by IU, ESnet, Internet2**
 - 30 Min = Workshop Introduction & Science Engagement
 - **Presented by ESnet**
 - 45 Min = Science DMZ Architecture
 - **Presented by ESnet**
 - Motivation for design pattern, Architecture discussion, equipment choice
 - **Break (30 min)**
 - **Morning 2 (10:30am -12:00pm = 1 hrs 30min)**
 - 45 Min = Science DMZ Security, Best Practices
 - **Presented by ESnet**
 - Security Discussion, techniques, policy. Bro
 - 45 Min = DTN Design/Data Transfer Tools
 - **Presented by ESnet**
 - Overview of hardware, use of software
 - **Lunch (12:00pm – 1:00pm)**
 - **Afternoon 1 (1:00pm – 3:00pm = 2hr)**
 - 75 Min = Globus Presentation & Hands on
 - **Presented by Globus**
 - Presentation on Globus as a data transfer tool
 - Hands on component (with home work assignment)
 - Server component install + client application
 - 45 Min = perfSONAR & Network Monitoring
 - **Presented by ESnet**
 - **Break (30 min)**
 - **Afternoon 2 (3:30pm – 5:00pm = 1 hr 30 min)**
 - 30 Min = perfSONAR Hands On
 - **Presented by ESnet**
 - 45 Min = Vanderbilt Research Presentation
 - **Presented by Andrew Melo - Postdoctoral Researcher, Advanced Computing Center for Research and Education (ACCRE), Vanderbilt University**
 - 15 Min = Discussion Topics, Questions, Spill

Presenters: Jon-Paul Herron, Uwe Dahlmann (GRNOC), Scott Chevalier (IU International Networking), John Hicks (Internet2)

- **Room 1 & 2 @ Vanderbilt University Student Life Center, Nashville TN**
- **Day 2 (Weds December 14th)= SDN & AL2S**
 - **Breakfast (8am - 8:30am = .5hr)**
 - **Morning 1 (8:30am - 10:00am = 1.5hrs)**
 - 15 Minutes = Intro to SDN (Presented by TBD, GRNOC)
 - 45 Minutes = Enabling Network automation (Presented by TBD)
 - 30 Minutes = SDN Building Blocks, & Current State
 - Introduction, SciPass
 - **Presented by TBD GRNOC**
 - **Break (30 min)**
 - **Morning 2 (10:30am -12:00pm = 1.5 hrs)**
 - 30 Minutes = SDN Building Blocks, & Current State
 - Introduction, SciPass
 - **Presented by TBD GRNOC**
 - 60 Minutes = OpenFlow Tutorial
 - **Presented by TBD GRNOC**
 - **Lunch (12:00pm - 1:00pm)**
 - **Afternoon 1 (1:00pm - 3pm = 2 hrs)**
 - 60 minutes = OpenFlow Hands-on Exercise
 - 60 Min = SDN Implementation Considerations (Hardware, Controller Software, Testing)
 - **Presented by TBD GRNOC**
 - **Break (30 min)**
 - **Afternoon 2 (3:30pm - 5:00pm = 1.5hrs)**
 - 45 Min = SDN Troubleshooting
 - **Presented by GRNOC**
 - 45 Min = How to Connect to AL2S
 - **Presented by TBD Internet2**