

OIN WUSTL Workshop Agenda (v10 – October 12th 2015)

Presenters: Jason Zurawski (ESnet), Vas Vasiliadis (Globus)

- **Simon Hall (Danforth Campus), Room 112**
- **Day 1 (Tues Oct 20th - 7 hrs total) = Science DMZ**
 - **Breakfast (8am - 8:30am = .5hr)**
 - **Morning 1 (8:30am - 10:00am = 1.5hrs)**
 - 15 Min = Introductions & Motivation
 - **Presented by WUSTL CIO, IU, ESnet, Internet2**
 - 30 Min = Need for Science Engagement
 - **Presented by ESnet**
 - Purpose of event, introduction to problem space
 - 45 Min = Workshop Introduction & Science DMZ Architecture
 - **Presented by ESnet**
 - About ESnet, Motivation for design pattern, Architecture discussion, equipment choice
 - **Break (20 min)**
 - **Morning 2 (10:20am -1:00pm = 1 hr 40min)**
 - 60 Min = Science DMZ Security, Best Practices
 - **Presented by ESnet**
 - Security Discussion, techniques, policy. Bro
 - 40 Min = DTN Design/Data Transfer Tools
 - **Presented by ESnet**
 - Overview of hardware, use of software (e.g. Aspera)
 - **Lunch (12:30pm - 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**
 - Intermediate pS Use
 - **Break (20 min)**
 - **Afternoon 2 (3:30pm - 5:30pm = 2 hrs)**
 - 35 Min - Patrick Crowley - WUSTL CS Department
 - Named Data Networking (NDN)
 - 35 Min - Raj Jain - WUSTL CS Department
 - Application Deployment in Future Global Multi-Cloud Environment
 - 35 Min - Prasad Calyam - U of Missouri CS Department
 - Science DMZ integration for Hybrid Cloud Computing Needs of Data-intensive Science Applications
 - 15 Min = Discussion Topics, Questions, Spill

Presenters: Jon-Paul Herron, Ed Balas, Joe Lappa (GRNOC), Matt Zekauskas (Internet2)

- **Simon Hall (Danforth Campus), Room 107**
- **Day 2 (Weds Oct 21st - 7 hrs total = SDN & AL2S)**
 - **Breakfast (8am - 8:30am = .5hr)**
 - **Morning 1 (8:30am - 10:00am = 1.5hrs)**
 - 60 Minutes = SDN Building Blocks, & Current State
 - Introduction, SciPass
 - **Presented by GRNOC**
 - 30 Minutes = OpenFlow Tutorial
 - **Presented by GRNOC**
 - **Break (30 min)**
 - **Morning 2 (10:30am -12:30pm = 2 hrs)**
 - 30 Minutes = OpenFlow Tutorial
 - 1.5 Hour = OpenFlow Hands-on Exercise
 - **Presented by GRNOC**
 - **Lunch (12:30pm - 1:30pm)**
 - **Afternoon 1 (1:30pm - 3pm = 1.5hrs)**
 - 45 Min = SDN Troubleshooting Exercise 1 & 2
 - **Presented by GRNOC**
 - 45 Min = SDN Implementation Considerations (Hardware, Controller Software, Testing)
 - **Presented by GRNOC**
 - **Break (30 min)**
 - **Afternoon 2 (3:30pm - 5:30pm = 2hrs)**
 - 30 Min = SDN Troubleshooting (cont.)
 - **Presented by GRNOC**
 - 30 Min = How to Connect to AL2S
 - **Internet2**
 - 30 Min - Joe Marentette - WUSTL
 - CC-NIE @ WUSTL
 - 30 Min = Discussion Topics, Questions, Spill