

## OIN 14 Workshop Agenda (v4 – February 23<sup>rd</sup> 2016)

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

- **Bolger Conference Center, Millersville University**
- **Day 1 (Tues March 1<sup>st</sup> – 6.5 hrs total) = Science DMZ**
  - **Breakfast (8am – 8:30am = .5hr)**
  - **Morning 1 (8:30am – 10:00am = 1 hrs 30min)**
    - 15 Min = Introductions & Motivation
      - **Presented by KINBER CTO, F&M CTO, 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 (e.g. Aspera)
  - **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 )**
    - 45 Min = perfSONAR Hands On
      - **Presented by ESnet**
      - Intermediate pS Use
    - 30 Min = perfSONAR @ KINBER
      - **Presented by KINBER**
    - 15 Min = Discussion Topics, Questions, Spill

*Presenters: Jon-Paul Herron, Ed Balas, Brent Sweeny (GRNOC), Rick McMullen (Internet2)*

- ***Bolger Conference Center, Millersville University***
- ***Day 2 (Weds March 2<sup>nd</sup> - 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 -12:00pm = 1.5 hrs)***
    - 30 Minutes = OpenFlow Tutorial
    - 1 Hour = OpenFlow Hands-on Exercise
      - ***Presented by GRNOC***
  - ***Lunch (12:00pm - 1:00pm)***
  - ***Afternoon 1 (1:00pm - 3pm = 2 hrs)***
    - 60 Min = SDN Troubleshooting Exercise 1 & 2
      - ***Presented by GRNOC***
    - 60 Min = SDN Implementation Considerations (Hardware, Controller Software, Testing)
      - ***Presented by GRNOC***
  - ***Break (30 min)***
  - ***Afternoon 2 (3:30pm - 5:00pm = 1.5hrs)***
    - 45 Min = SDN Troubleshooting (cont.)
      - ***Presented by GRNOC***
    - 45 Min = How to Connect to AL2S
      - ***Internet2***