OIN 15 Workshop Agenda (v7 – July 5th 2016)
Presenters: Jason Zurawski (ESnet), Kate Mace (ESnet), Vas Vasiliadis (Globus), George Turner (Jetstream), Mike Lowe (Jetstream)

- **Room 105 @ Indiana University Innovation Center, Bloomington Indiana**
- **Day 1 (Tues July 12th) = Science DMZ**
  - Breakfast (8am – 8:30am = .5hr)
  - **Morning 1 (8:30am - 10:00am = 1 hrs 30min)**
    - 15 Min = Introductions & Motivation
      - Presented by iLight, 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 Vas
      - 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
      - Intermediate pS Use
    - 45 Min = Jetstream Overview
      - Presented by George Turner & Mike Lowe
    - 15 Min = Discussion Topics, Questions, Spill
Presenters: Uwe Dahlmann (GRNOC), Brent Sweeny (GRNOC), Jason Lannone (GRNOC), Andrew Lee (IU International Networking), Hans Addleman (IU International Networking), John Hicks (Internet2)

- **Room 105 @ Indiana University Innovation Center, Bloomington Indiana**
- **Day 2 (Weds July 13th) = SDN & AL2S**
  - **Breakfast (8am – 8:30am = .5hr)**
  - **Morning 1 (8:30am – 10:00am = 1.5hrs)**
    - 15 Minutes = Intro to SDN (Presented by Uwe Dahlmann, GRNOC)
    - 45 Minutes = Enabling Network automation (Presented by Jason, IU)
    - 30 Minutes = SDN Building Blocks, & Current State
      - Introduction, SciPass
      - Presented by Uwe Dahlmann GRNOC
  - **Break (30 min)**
  - **Morning 2 (10:30am -12:00pm = 1.5 hrs)**
    - 30 Minutes = SDN Building Blocks, & Current State
      - Introduction, SciPass
      - Presented by Uwe Dahlmann GRNOC
    - 60 Minutes = OpenFlow Tutorial
      - Presented by 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 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
      - Internet2