

## OIN GEC Workshop Agenda

*Presenters: Jason Zurawski(ESnet), Brian Tierney (ESnet), Inder Monga (ESnet), Eric Pouyoul (ESnet), Raj Kettimuthu (Globus), Jon-Paul Herron (GRNOC), Tom Johnson (GRNOC), Ed Balas (GRNOC), Brent Sweeny (GRNOC), Matt Zekauskas (Internet2)*

- **Day 1 (3.5 hrs total) = SDN**
  - Afternoon 1 (1pm – 3pm = 2hrs)
    - 15 Minutes = Intro for workshop
      - **Presented by Jon-Paul and local host**
    - 45 Minutes = SDN Building Blocks, Use Cases and Models
      - **Presented by IU Staff**
    - 1 Hour = OpenFlow Tutorial
      - **Presented by IU Staff**
  - Break (30 min)
  - Afternoon 2 (3:30pm – 5pm = 1.5 hrs)
    - 1 Hour = OpenFlow Hands-on Exercise
      - **Presented by IU Staff**
    - .5 Hours = Considerations for SDN Hardware & Software
      - **Presented by IU Staff**
- **Day 2 (7 hrs total) = SDN/ Science DMZ**
  - Morning 1 (8am – 10am = 2hrs)
    - .5 Hour = How to Connect to AL2S
      - **Presented by Matt**
    - 1 Hour = SDN Troubleshooting
      - **Presented by IU Staff**
    - .5 Hour = SDN Troubleshooting Exercise
      - **Presented by IU Staff**
  - Break (30 min)
  - Morning 2 (10:30am -12:30pm = 2 hrs)
    - .5 Hour = SDN Troubleshooting Exercise
      - **Presented by IU Staff**
    - .5 Hour = SDN Testing/Validation
      - **Presented by IU Staff**
    - .5 Hour = Innovative Apps
      - **Presented by Matt**
    - .5 Hour = Discussion Topics, Questions, SDN Closing
      - **Presented by Jon-Paul, IU Staff, and local host.**
  - Working Lunch (12:30pm – 1:30pm)
  - Afternoon 1 (1:30pm – 3:30pm = 2 hrs)
    - .5 Hour = ESnet SDN Overview
      - **Presented by Eric/Brian**
    - 1.5 Hour = Science DMZ Introduction/Architecture/Security

- ***Presented by Brian/Jason***
    - About ESnet, Motivation for design pattern, Architecture discussion, equipment choice, and Security Discussion
  - Break (30 min)
  - Afternoon 2 (4:00pm – 5pm = 1 hrs)
    - 1 Hour = Globus Presentation & Hands On
      - ***Presented by Raj***
      - Presentation on Globus as a data transfer tool
- ***Day 3 (3.5 hrs total) = Science DMZ***
  - Morning 1 (8am – 10am = 2hrs)
    - 1 Hour = DTN Design/Data Transfer Tools
      - ***Presented by Eric/Brian***
      - Overview of hardware, use of software.
    - 1 Hour = perfSONAR & Network Monitoring
      - ***Presented by Jason***
      - pS Overview. Tool use and setup.
  - Break (30 min)
  - Morning 2 (10:30am -12pm = 1.5 hrs)
    - .5 Hour = perfSONAR & Network Monitoring
      - ***Presented by Jason***
      - Hands on component
    - .5 Hour = Discussion Topics, Questions, Spill
    - .5 Hour WS closing statements (JP or others)
      - ***Presented by Jon-Paul/Jason and local host.***