



## Spring 2007 Internet2 Member Meeting

### Health Sciences Meeting Recommendations

---

#### Monday April 23rd

- |                     |   |                          |
|---------------------|---|--------------------------|
| 7:00 AM - 8:30 PM   | Registration Desk Open  | Arlington Ballroom Lobby |
| 7:30 AM - 8:45 AM   | Breakfast   |                          |
| 9:45 AM - 11:45 AM  | Internet2 Overview Network and Services   |                          |
|                     | <p>This session provides a basic overview of Internet2, covering the concepts and terminology in advanced network services, middleware and applications. It will also provide information to help attendees understand how to engage with the Internet2 community, with a focus on current projects, initiatives and working groups. The session will also include information about a variety of services that are available to the Internet2 membership and community. Some of the services that will be presented include: the Internet2 Commons, InCommon, Internet2 outreach resources, End-to-End Performance Tools, FiberCo Professional Services, to name a few. The session is open to all Internet2 member representatives and meeting attendees, and those new to Internet2 member meetings and the Internet2 community are particularly encouraged to attend. There will be plenty of time to ask questions of and interact with Internet2 staff and other attendees.</p> |                          |
| 10:00 AM - 10:30 AM | Refreshment Break   | Salons IV/V/VI           |
| 10:30 AM - 11:45 AM | Grouper/Signet Combined Working Group Meeting   |                          |
|                     | <p>For those of you interested in Federated Identity Management, Group and Privilege Management this is a great place to rub shoulders with the experts. This joint Signet and Grouper Working Group meeting will have a focus on lessons being learned through campus implementation experiences. Project leaders will also highlight what's new in the latest releases and guide discussion over product roadmaps. The session will open with a brief orientation for attendees new to these working groups.</p>  |                          |
| 11:45 AM - 1:15 PM  | Disaster Planning & Recovery Working Group  |                          |
|                     | <p>This is a topic of significant interest to researchers and health care providers. This working group will discuss the emerging Internet2 effort around disaster planning and recovery.</p>   |                          |
| 11:45 AM - 1:15 PM  | Lunch   | Salons IV/V/VI           |
| 1:15 PM - 2:45 PM   | Middleware E2E Diagnostics BoF  |                          |
|                     | <p>Increasingly being able to diagnose network issues from end point to end point is critical. This is the meeting of the experts. The BoF will discuss progress of the Internet2 End-to-End diagnostics toolkit effort named EDDY. The group will also share experiences using the tool kit to develop an end-to-end Email diagnostic application targeted at enterprise Email administrators and help desks. They will also discuss plans for a new push into the areas of environmental and security diagnostics.</p>  |                          |
| 2:45 PM - 3:15 PM   | Refreshment Break   | Salons IV/V/VI           |
| 3:00 PM - 4:00 PM   | Tools Tutorial  |                          |
|                     | <p>Rich Carlson will host the 12th Tools Tutorial session, in which two presenters will provide an update on the development and usages of problem-solving tools in campus environments.</p>  |                          |
| 4:45 PM - 6:15 PM   | Shibboleth Working Group  |                          |
|                     | <p>This is a meeting of the experts in Federated ID Management. This is becoming a very important topic for health researchers, educators and clinicians.</p>   |                          |
| 6:30 PM - 8:30 PM   | Welcome Reception   | Salon IV/ V/VI           |

---

**Tuesday, April 24th**

- 7:30 AM – 8:45 AM Health Science Planning Session  
This is a regularly scheduled meeting of those interested in the Health Sciences to review and plan activities for the coming year. We will also hear from our Japanese counterparts on their significant health networking activities.
- 8:45 AM - 10:00 AM Prometheus: Engaging Students through Streaming Immersive Media  
Internet2 member, The Ruth Lilly Health Education Center, has been a pioneer in utilizing technology in education in central Indiana. Recently, the center has partnered with local technology firm, Sonar Studios, to extend its reach to a national level. Combining its outstanding health education programming with a ground-breaking teaching device called Prometheus (developed by Sonar) the center is poised to revolutionize health education via Internet 2. Prometheus (patent-pending) is a portable, powerful, yet easy-to-use learning appliance. Able to play stereoscopic video, hi-definition wide format video, interactive movies, DVD content, as well as streaming media, Prometheus serves up content in the best forms technology has to offer. Students today are different. They are tech-savvy, multitasking capable, and organization skeptical. And each day they are bombarded with an enormous amount of information. The information that breaks through is the information that they choose to let in and/or the information that engages them. In this session we will look at the challenges of education in the 21st century and demonstrate how streaming immersive programming via internet 2 to an appliance like Prometheus may be the answer to these challenges.
- 10:00 AM - 10:30 AM Refreshment Break Salons IV/V/VI
- 10:30 AM - 11:45 AM Opening General Session
- 11:45 AM - 1:15 PM Lunch Salons IV/V/VI
- 1:15 PM - 2:30 PM Multi-Institutional Instruction with ConferenceXP  
ConferenceXP is being more broadly deployed in academia for distance learning particularly for multi-institutional instruction where lecturers alternate between 2 or more sites. This session will focus on results from two such 4-way classes: University of Washington/UC Berkeley/UCSD/Microsoft Research and University of Massachusetts Amherst/National University of Ireland Galway/University of Ulster/Bentley College.
- 1:15 PM - 2:30 PM High Definition Video: Workflow from Cameras to Codecs  
This session is intended to be the second in a series of presentations begun at the Internet2 FMM '06 dealing with High Definition Video workflow. The last presentation: "High Definition Video: Acquisition and Workflow; Codecs explained" dealt with some HD basics and analysis of HD Codec performance using standard reference material. This session will continue the Codec analysis with some new data, as well as cover signal flow detail from the optical front-end of HD cameras to the Codec input. This should help session attendees better understand the confusing details of resolution, numbers of CCD Chips, and recording media, etc. A short video about Codec performance will be shown, as well as other example HD clips
- 1:15 PM - 2:30 PM HOPI Update and Dynamic Services  
This session will provide an update on the status of the Dynamic Circuit Services (DCS) on the new Internet2 network and on the status of the HOPI dynamic circuit testbed. The DCS Ciena infrastructure deployment is underway, and the first sections of the deployment are operational. At the session we plan to show the ability to create and take down circuits across some of the infrastructure using control software developed by the HOPI Testbed support center. In addition to DCS, the demo will include the HOPI testbed configured to make it appear as 2 domains connected to different points on the DCS network. The demo will show how connections across domains managed by different organizations can be accomplished. Workshops showing how regional and campus networks can create dynamic circuit networks based on HOPI software have been given and more are scheduled. The MM session will include members of the HOPI Testbed Support Center. General discussion will give status work being done with other organizations to define how to interconnect between networks and to implement new capabilities in both DCS and HOPI. Specific projects include the ability to interconnect ESnet and the new SDN with DCS, the ability of the Ciena infrastructure of DCS to participate in multi-domain path configurations (as in the demo), the incorporation of additional test domains in HOPI, and the status of workshops showing how to implement dynamic circuit capabilities in attached networks.
- 3:00 PM - 4:00 PM Internet2 Network Update  
This session provides opportunity for meeting attendees to hear the latest information and updates about the new Internet2 network.

3:00 PM - 4:00 PM Challenges and Solutions for Broadband Wireless and Wireless/Wireline Convergence  
While this may be a little technical it is a critical issue for many of us. The 3G/4G mobile and converged visual experience is happening here and now. Organizations, Mobile Operators and Service Providers can now address growing demand for new applications that enable subscribers to interact, learn, cooperate, work and play over any type of personal or mobile device. The session will provide an overview of the different technologies, standards and protocols relevant to this medium, as well as discuss implementation and usage challenges. Also be covered applicable solutions for interactive multimedia services offering for a converged mobile/wireline environment.

4:00 PM - 4:30 PM Refreshment Break Salons IV/V/VI

4:00 PM - 5:30 PM Connecting Collaborators More Easily  
Courses, research projects, and campus-based projects increasingly expect central IT to provide a suite of tools to support the project's collaborative work. In this session, campuses will describe their approach to providing a scaleable, robust middleware infrastructure for managing these tools to support collaboration and make them easier to use. Topics will include: policy design, organization of groups, privilege management, approach to delegation, and the issues they encountered constructing a management framework around a set of applications that were designed to operate in a standalone fashion.

### Wednesday, April 25th

7:30 AM - 8:45 AM Breakfast

8:45 AM - 10:00 AM Case Studies in Distributed Authority Management  
A good centralized identity management system automatically provisions and deprovisions access privileges for common services based on institutional roles tracked in core business systems. Some schools are going further by implementing extensions to their access management middleware to enable departments, project leads, and other distributed authorities to use the centrally operated infrastructure to autonomously manage access to services supporting their collaborative and administrative activities. Attendees will learn from a panel of path breakers about how they are doing so.

10:00 AM - 10:30 AM Refreshment Break

10:30 AM - 11:45 AM Closing General Session

11:45 AM - 1:15 PM Lunch Salons IV/V/VI

11:45 AM - 1:15 PM Archaeology SIG  
This is an opportunity for the Internet2 Archaeology Special Interest Group (SIG) to meet in person. The mission of the SIG is to increase awareness of and engagement in the uses of advanced networking technologies in support of archaeology teaching and research activities throughout the Internet2 member and international partner community.

1:15 PM - 2:30 PM Firewalls: Can't live with or without them  
Firewalls have long been a contentious component of network architecture. Security needs have dictated that active filtering capabilities are necessary for network traffics. Research computing and grid applications often require end-to-end network transparency. However both constituencies are trying to deliver a secure network the meets the application needs of their user communities. This discussion-oriented session will investigate these competing priorities with perspectives from the security architecture, research, grid, and operational network communities.

3:00 PM - 4:00 PM Federated Access to Federal Applications  
Increasingly, US government agencies are supporting Federated access to applications of interest to members of campus communities. This session will describe the current status of Federated access to grants management applications at NSF and NIH. Additionally, a campus will describe the issues they encountered bringing their policy and business practices related to Identification and Authentication into line with the Federal Credential Assessment Framework (CAF) standards.

4:00 PM - 4:15 PM Refreshment Break

4:15 PM - 5:15 PM Digital Identity Management