



## Internet2(R) Members Update September 2003

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### ◇ Subscriptions to the Internet2 Commons Videoconferencing Service via H.323

The Internet2 Commons is now taking applications for our multi-point videoconferencing service that has been in development and testing for the past year. Videoconferencing offers a much more effective collaborative environment than traditional phone conferences and can be a great cost- and time-saver when compared to travel options. There are two plans, both of which began September 1st:

- The Prime plan requires that you have a site coordinator
- The Prime Plus plan includes site coordinator services

Schedule conferences for the upcoming semester and sign up for as many additional minutes as you require. Our members have asked for and helped build this video-over-IP service, and we encourage you to use it. Apply now or find out more here:

<http://commons.internet2.edu/h323>

### ◇ Internet2 Fall 2003 Member Meeting

#### + Registration

Registration for the Fall 2003 Internet2 Member Meeting program in Indianapolis, Indiana, October 13-16, is now available. After September 26 a late fee of \$50 will be in effect.

<http://events.internet2.edu/2003/fall-mm/registration.cfm>

#### + Program

Details of the Member Meeting program may be viewed at:

[http://events.internet2.edu/2003/fall-mm/program.php?session\\_event.id=169](http://events.internet2.edu/2003/fall-mm/program.php?session_event.id=169)

Plenary Speakers for the Fall Meeting include Paul Messina, Distinguished Senior Computer Scientist, from Argonne National Lab, who will address the promises and challenges of cyberinfrastructure and John Delaney, professor in the School of Oceanography at the University of Washington, who will discuss the interactive networks of remotely operated submarine laboratories of the NEPTUNE Regional Cabled Ocean Observatory. The Fall meeting will include a wide variety of sessions on advanced applications in a wide variety of areas such as video technologies, the arts, and health sciences. Sessions on middleware, security issues, network performance and deployment of IPv6 will also be offered. Applications demos are planned and can be previewed at:

<http://events.internet2.edu/2003/fall-mm/demos.html>

#### + Lodging and Travel

A room block at the Indianapolis Marriott Downtown is available until September 12. For more information about lodging, see: <http://events.internet2.edu/2003/fall-mm/hotel&travel.html>

Travel information about Indianapolis sights and events may be found at:  
<http://events.internet2.edu/2003/fall-mm/attractions.html>

#### + Voice Over IP (VoIP) Training Workshop

If you plan to attend Voice Over IP (VoIP) training please indicate your choices on the registration form for the Member Meeting. Please note a separate fee is charged for these sessions.  
<http://voip.internet2.edu/meetings/200310.html>

#### + Videoconferencing Site Coordinator Training

Training in the art and science of H.323 Videoconferencing will be offered October 16-17 in Indianapolis, Indiana following the Internet2 Fall Member Meeting. If you are planning to join the Internet2 Commons, this a perfect opportunity to train your site coordinator in the necessary skill sets: troubleshooting campus networks; understanding gateways and gatekeepers; audio, video, and room set up basics; hands-on equipment demonstrations; and more. To register or to learn more, visit:  
<http://commons.internet2.edu/train>

#### <> Virtual Briefings

##### + Education Focus for September 25 Internet2 Virtual Briefing

Two Internet2 K-20 Initiative projects will be featured in the September 25 Virtual Briefing entitled, "Adventure and All That Jazz: The Jason Project, Live Jazz, K20, and Internet2." The projects are the Virtual Argonaut Project, involving several SEGP states (Rhode Island, California, and Indiana); and the K-12 University Musical Collaboration, featuring live concerts involving high school and university musicians using Internet2 capabilities. Speakers will be Scott Bryan, St. Clair County Intermediate School District, Michigan; Louis Fox, Internet2; George Loftus, Ocean State Higher Education Economic Development and Administrative Network (OSHEAN); and Susan Scott, Indiana Higher Education Telecommunications System (IHETS). The Briefing will be held 1:00pm-2:30pm EDT (17.00-18.30 UTC).

For more details about the September Briefing and future Briefings, see:  
<http://events.internet2.edu/briefings/>

Plans for future Virtual Briefings topics include the humanities, IPv6, building the optical backbone, and the future of virtual collaboration.

#### <> Applications Update

##### + Internet2 Symposium on Applications to Orthopaedic Surgery at SICOT/SIROT 2003

On 10-13 September 2003, SICOT (International Society of Orthopaedic Surgery and Traumatology) is hosting the SICOT/SIROT Second Annual International Conference in Cairo, Egypt. Several Internet2 events will take place in conjunction with the SICOT activities, including the Second Symposium on Internet2 Applications to Orthopaedic Surgery, which will focus on international medical training. The Symposium, and related Internet2 activities at SICOT, will bring awareness of the benefits of broadband information technology infrastructure to Egyptian leaders in communications, information technology, and higher education, in addition to orthopaedic surgeons from around the world.  
<http://health.internet2.edu/sicot2003.html>

##### + Toward an Updated Internet2 Applications Strategy: Join the Discussion!

The Internet2 Applications Strategy Council (ASC) is initiating a process to develop an updated applications strategy for Internet2. The ASC is very interested in the reactions and ideas of Internet2 members and friends before we develop this into a full plan. Therefore, we encourage your participation in an open videoconference on 18 September 2003 at 1:00 pm EDT, during which these slides will be presented and discussion invited. Details on how to participate in the videoconference will appear on the web page below. We also plan to implement a bulletin board to encourage ongoing discussion of the issues and ideas. An in-person, follow-up session will also be held at the Fall 2003 Internet2 Member Meeting. A PowerPoint presentation with some early thoughts on this topic is available here:

<http://apps.internet2.edu/ascplan.html>

For more information, contact David Lassner, University of Hawaii CIO and Internet2 ASC Chair at <david@hawaii.edu>.

+ Security at Line Speed Workshop

The Security at Line Speed Workshop was held 11-13 August 2003 in Chicago, IL. The workshop was a working meeting attended by members of the academic and corporate community. The goal of the workshop was to disseminate information on problems and best-known solutions facing network security. There will be a session at the Internet2 Fall Member Meeting summarizing the discussions and presenting the workshop deliverables. The deliverables will include potential research agendas, policy issues and technical/non-technical elements to the future of security. For additional information on the workshop, please visit: <http://apps.internet2.edu/sals/>

<> **International Update**

+ APAN 2004 Meeting Held in Busan, Korea

The 16th APAN Meeting took place 24-30 August 2003 at the Busan Marriott Hotel, in Busan, Korea. The APAN meetings included Conference Workshops, Conference Sessions, APAN Committee & Working Group Meetings, where representatives and speakers from the Asia/Pacific region joined to share information on advanced networking efforts, international connections, and applications. The complete program and presentations are available.

<http://apan.net/home/meetings/Busan/index1.htm>

+ 21st NORDUnet Networking Conference

On 24- 27 August 2003, the 21st NORDUnet Networking conference brought together leaders, network specialists, researchers, users and representatives from the Nordic networking community to discuss requirements and plans for the future as well as learning about the latest developments in advanced networking. Topics included Grids, lambda networking, wireless networks, security, IPv6, conferencing for collaboration, new architectures, community access and global networking. Conference program and presentations are available.

<http://www.nordunet2003.is/programme.php>

<> **Middleware Update**

+ Shibboleth

Shibboleth v1.1 has been released and is being adopted by a steadily increasing number of institutions and organizations. Discussions have begun around enhancements for the next version. Expectations include a Java Shib target and a mechanism for federating identities. More information on Shibboleth is available.

<http://shibboleth.internet2.edu/>

+ NSF Middleware Initiative

- ADVANCED CAMP - July 8-11, 2003, Boulder, Colorado

The Advanced CAMP gave system architects from campuses with a maturing middleware infrastructure a chance to join their colleagues to engage in discussions in identity management, enterprise directories, and authentication. The meeting offered a highly focused, highly technical forum for learning and discussion on research in middleware technologies, with an emphasis on authorization approaches. Presentations and notes of some of the discussions are available.

<http://www.educause.edu/conference/nmi/camp033/>

+ Middleware Tutorials at EDUCAUSE

On Tuesday November 4 at the EDUCAUSE Annual Meeting in Anaheim, campuses interested in knowing more about the tough terrain between policy and technology for middleware should consider "The Proof Is in the Pudding: Implementing Policy in Enterprise Directory and Authentication Services." Please see the session website for more details:

[http://www.educause.edu/asp/conf/function.asp?PRODUCT\\_CODE=E03/SEM08A&MEeting=e03](http://www.educause.edu/asp/conf/function.asp?PRODUCT_CODE=E03/SEM08A&MEeting=e03)

+ New Working Group: Integrated Infrastructure for Instant Messaging Working Group (I2IM)

A new Internet2 Middleware working group, Integrated Infrastructure for Instant Messaging (I2IM), has been formed to research the relationship of Instant Messaging to campus middleware infrastructure.

Chaired by Michael R. Gettes of Duke University, the I2IM Working Group will focus on issues surrounding the enterprise integration of Instant Messaging services with respect to authentication and authorization. More information is available at:  
<http://middleware.internet2.edu/i2im/>

+ 3rd Annual Public Key Infrastructure (PKI) R&D Workshop

The 3rd Annual PKI R&D Workshop will be held April 12 - 14th, 2004, at NIST in Gaithersburg, Maryland. This workshop considers the full range of public key technology used for security decisions. PKI supports a variety of functionalities including authentication, authorization, identity (syndication, federation and aggregation) and trust. More information on the PKI R&D Workshop is available at:  
<http://middleware.internet2.edu/pki04/>

+ CREN Certificate Authority (CA) Service

Plans to evolve the CREN CA continue. Several groups have convened to work on the various aspects including policy and management, technology, and operation.

+ EDUCAUSE Review article on Federations

"The Rise of Collaborative Tools," a new article by Ken Klingenstein was published in the July/August 2003 issue of the EDUCAUSE Review. The author describes the increasing need to enable electronic federations to support collaboration and includes the initiatives underway to support this functionality.  
<http://www.educause.edu/ir/library/pdf/erm0347.pdf>

◁ **End-to-End Performance Initiative (E2Epi) Update**

+ E2E piPEs (End-to-End Performance Improvement Performance Environment System)

In addition to several presentations at the August Joint Techs Workshop, members of the E2E piPEs team have been reworking the traceroute script by using a Traceroute perl module in the master code and rewriting collector code to handle signaling and improving the performance of the OWAMP database in 3 ways: 1) changing the spec/order of the additional database system, 2) increasing application-level caching of database data, and 3) decomposing data tables all the way down to 3rd normal form. In addition, the team has been working with the NLANR/DAST team to make OWAMP data available to Advisor.  
<http://e2epi.internet2.edu/>

◁ **Internet2 K20 Initiative Update**

+ Announcing the "Soft" Launch myK20

myK20 is your personal window into the K20 Initiative. With myK20 you can:

- 1) develop and maintain your personal profile, including a description of your interests.
- 2) find others with similar interests across the broad K20 community.
- 3) search for K20 projects that meet your criteria
- 4) Add a project description of your own to help others discover and participate in your project
- 5) Coming Soon! You will soon be able to create customized snapshots of SEGP connectivity by state, institution type (public libraries, K-12 schools, museums, etc.), and date. For more information see: <http://k20.internet2.edu/index.php>

+ Sponsored Participant Chester County Intermediate Unit (CCIU) in Pennsylvania

This month we'd like to highlight several projects from the Chester County Intermediate Unit (CCIU), one of 29 educational service centers in Pennsylvania. They are one of several Sponsored Participants connected to Abilene by the MAGPI gigaPoP. For more information on these projects please visit <http://k20.internet2.edu/segp/index.html>

◁ **Member-to-Member Announcements**

+ BroadSoft Inc. Announces Disaster Recovery Initiative Within the Internet2 Voice Over IP (VoIP) Working Group.

This cooperative initiative is being led by BroadSoft, Georgetown University, Internet2, and Paetec with participating member institutions including Catholic University, Harvard, University of Pennsylvania, Boston University, MIT and Texas A&M. The objective of this initiative is to ensure business continuity and survivability using IP networks in an event that the circuit-switched public network goes down. Using

Internet2 as a backup for a traditional PBX and switched network architecture offers an IP-based disaster recovery solution at a greatly reduced cost. For more information contact Fred Watkins at <disasterrecovery@broadsoft.com>.

#### ◁ **Joint Techs Meeting Recap**

+ Presentations Available: August 2003 Joint Techs Workshop

Presentations from the recent Joint Techs Workshop in Lawrence, Kansas, are now archived. The University of Kansas is commended for its efforts in hosting an outstanding meeting, which drew 194 registrants. <http://www.nene.nlanr.net/training/techs/2003/0803/agenda.html>

#### ◁ **New Internet2 Members**

+ Corporate Members

- Ping Identity Corporation, <http://www.pingid.com>

+ Affiliate Members with Collaboration Site Status

- Pacific Northwest National Laboratory, <http://www.pnl.gov>

#### ◁ **Future Internet2 Events**

+ Internet2 VoIP Workshop

12-13 October 2003

Indianapolis, IN

<http://voip.internet2.edu/meetings/200310.html>

+ Fall 2003 Internet2 Member Meeting

13-16 October 2003

Indianapolis, IN

<http://events.internet2.edu/2003/fall-mm/index.html>

+ Internet2 Commons Site Coordinator Training

16-17 October 2003

Indianapolis, IN

<http://commons.internet2.edu/train/index.html>

+ Joint Techs Workshop in Hawaii

The January 2004 Joint Techs Workshop will take place in Honolulu, Hawaii, January 25--January 28th.

Details will be announced as they become available.

#### ◁ **Internet2 Days**

Hold an Internet2 Day for your Internet2 member organization. Technical support for live demonstrations and informational materials are available. For more information contact Marianne Smith

<melser@internet2.edu> or see: <http://apps.internet2.edu/Internet2-Days.html>

+ Southern Illinois University

5 November 2003

Carbondale, IL

<http://www.siu.edu/>

#### ◁ **Showcase and Spotlight Opportunities - Projects and People**

A Showcase on the Internet2 Web site is a great way to highlight the milestones, events, collaborations and efforts that are a result of your work in the advanced networking community. You are also encouraged to submit a profile of anyone in the Internet2 community whose efforts merit notice. Include a brief description (less than 100 words), all appropriate links and images, and contact information. If you have suggestions about projects, people or news that might be featured, please contact Adam Csillag

<acsillag@internet2.edu>.

#### ◁ **Internet2 Related Events**

+ 2nd NMI Integration Testbed Results Workshop

The second NSF Middleware Initiative (NMI) Integration Testbed results workshop, "Experiences in Middleware Deployment", will be held on Monday, November 3, 2003, preceding the EDUCAUSE annual conference in Anaheim, CA. The workshop will be held from 8:30 a.m. to 5:00 p.m. PDT on Monday. Though the event is located in close proximity to the EDUCAUSE conference, separate registration and logistics apply. For more information see:  
<http://www.nsf-middleware.org/testbed/meetings/workshop1103/1103agenda.html>

+ Online Calendar

For a complete listing of events for and of interest to the Internet2 community, see the online Internet2 Calendar. Be sure the Internet2-related event you are holding or know about is listed at:  
<http://events.internet2.edu/calendar/main.php>

If you are holding an event of any kind related to Internet2, we will be glad to assist members with resources such as printed publications, equipment or speakers. Please contact Marianne Smith for more information <[melser@internet2.edu](mailto:melser@internet2.edu)>.

+ NANOG 29

19-21 October 2003

Chicago, IL

<http://www.nanog.org/>

+ EDUCAUSE 2003

4-7 November 2003

Anaheim, CA

<http://www.educause.edu/conference/annual/2003/>

+ SC2003

15-21 November 2003

Phoenix, AZ

<http://www.sc-conference.org/sc2003/index.html>