



Internet2(R) Members Update July 2003

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Member updates are now archived at:
<http://members.internet2.edu/memberupdates/index.html>

◇ **Joint Techs Meeting - August 3 -7**

Registration for the Joint Techs Workshop in Lawrence, Kansas is now open. Hosted by the University of Kansas, the Workshop runs from Sunday, August 3 through Thursday, August 7. The focus will be network tuning and performance monitoring, optical networking, and security. A panel on high-speed transport protocols is scheduled for Tuesday. In addition, an in-depth session on distributed denial of service will span Wednesday afternoon and Thursday morning. Several Birds-of-a-Feather (BoF) sessions are already in the wings. To organize a BoF, please contact Janet Brown <brown@psc.edu>, Paul Love <epl@internet2.edu>, or Bill Wing <wrw@ornl.gov>. For registration, hotel, and agenda information, please see: <http://www.ncne.org/training/techs/2003/0803/jt-lawrence.html>

◇ **New Fiberco Website**

Internet2 has recently launched the new Fiberco website to provide information for Internet2 members and their affiliates interested in acquiring fiber optic network assets. Fiberco was established to support the regional fiber optical networking initiatives dedicated to U.S. research and higher education and to maintain a long-term strategic fiber acquisition capability for this community. Fiberco helps Internet2 meet a critical objective by facilitating the ongoing development of regional optical networking efforts around the country. To learn more about Fiberco please see:
<http://www.fiberco.org>

◇ **Internet2 Fall 2003 Member Meeting**

Planning is well under way for the Fall 2003 Internet2 Member Meeting in Indianapolis, October 13-16. The program for the meeting will be available during the week of August 11. Requests for side meetings (e.g., BoFs, Working Group meetings, Sponsored Interest Group meetings, other open meetings, and private closed meetings) should be directed to Kelly Fuqua <kellyf@internet2.edu>. For more information see: <http://events.internet2.edu/2003/fall-mm/index.html>

Proposals for poster sessions may be submitted until July 18. For information, see:
<http://events.internet2.edu/2003/fall-mm/callforposters.html>

+ Call for Demos

Internet2 is soliciting advanced networking applications demonstrations for the Fall 2003 Internet2 Member Meeting, 13-16 October in Indianapolis, IN. The Fall Member Meeting will offer multiple venues and opportunities for demonstrations. One set of demos will run 13-15 October at the Indianapolis Marriott Downtown, location of the Fall Member Meeting. In addition, demonstrations will also take place in conjunction with an evening gala reception, which will be held at the Indiana State Museum on 15 October. The museum demo venues include an IMAX Theatre and the Dean & Barbara White Auditorium. For the IMAX Theatre venue we would welcome one to two interesting applications that take advantage of the IMAX technology, either by using the theater to project your own content or providing content for projection in IMAX format. For the Dean & Barbara White Auditorium, we are soliciting one to two arts and humanities related applications that are performance oriented. Internet2 university members, corporate members, affiliate members, and international partners are all invited to participate in the demos. Applications demonstrations from all disciplines are welcome. For more information, refer to the call for demos web page. Submissions are due June 23.

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

<> **Virtual Briefings**

+ July Virtual Briefing To Feature ResearchChannel

The July 17 Internet2 Virtual Briefing will focus on the activities of the ResearchChannel, a leader in advanced streaming media with high-definition, video-on-demand, broadcast-quality multicast, and distribution of live DV over IP. Featured speakers for the Briefing include: Jim DeRoest, University of Washington; Michael Wellings and Kathleen McMonigal, ResearchChannel; Gates Rhodes, University of Pennsylvania; and Lee Watkins, The Johns Hopkins University. They will discuss the infrastructure and interfaces that make their projects successful, with a focus on various Internet2 working group projects. For details of the July Briefing, see: <http://events.internet2.edu/briefings/index.html>

+ June 26 Virtual Briefing: Video-On-Demand Available

For those who missed it, the June 26 Virtual Briefing, "Operational Challenges of Campus Network Security," may be viewed at: <http://events.internet2.edu/briefings/date/200306.html>

<> **Applications Update**

+ The Internet2/ResearchChannel Digital Video over IP Project

The Internet2/ResearchChannel Working Group provides a testbed for the exploration of high-quality demand and streaming video applications across Internet2 advanced networks and associated campus networks. One Internet2/ResearchChannel Working Group collaboration involves exploring different technologies and methods for delivering digital video over IP. Internet2 members participating in these experiments are using Comet DVIP cards, provided by Internet2 corporate member Fujitsu Laboratories, and DVTS (Digital Video Transport System) software, provided by collaborators at the WIDE project. The Digital Video over IP project, along with several other Internet2/ResearchChannel Working Group advanced media projects, will be the focus of the July 17 Internet2 Virtual Briefing. For more information, or if you would like to participate in the Comet DVIP testing, please contact Bob Riddle, Internet2 Technologist <bdr@internet2.edu>.

<http://www.researchchannel.org/inside/i2wg/>

+ Internet2 Cardiology Sponsored Interest Group

All Internet2 members are invited to participate in the new Internet2 Cardiology Sponsored Interest Group (SIG), which has been formed to promote the adoption of advanced Internet technology and applications by the cardiology profession to include remote real time device control, monitoring and supervision, fusion imaging (overlying multi-modalities imaging in 3D space), simulation and modeling of catheterization and surgical procedures for the heart in order advance science and health care. The chair for the Cardiology SIG is David Sahn, MD, Oregon Health & Science <sahnd@ohsu.edu>.

<http://health.internet2.edu/WorkingGroups/Cardiology.html>

+ Security at Line Speed Workshop

The Security at Line Speed Workshop seeks to identify the requirements, architectures, and best practices needed to guide future network deployments for the research community. The Security at Line Speed Workshop, which will take place in Chicago, IL on August 11-13, is made possible through an NSF grant and the assistance of the University of Washington and Indiana University, in partnership with Internet2. Attendance to the workshop will be limited and is by invitation of the planning committee only. For more information, contact T. Charles Yun<charles@internet2.edu> <http://apps.internet2.edu/sals/>

+ Save the Date: SC Global Access Grid Activities in November

SC Global, to be held in conjunction with the SC2003 conference November 15-21 in Phoenix, provides a multi-national and multi-cultural venue for communication and discussion of ideas relating to high-end computing and communications and their impact on science and society. SC Global will link the Phoenix Civic Plaza Convention Center with Access Grid (AG) nodes worldwide in anticipation of over 1,000 participants at more than 150 locations. SC Global will feature art, music, dance, and other innovative uses of advanced collaboration technologies, in several Showcase events. Internet2 will partner with inSORS, an Internet2 corporate sponsor, to make the Showcase AG events available online both during the live presentations and in the form of an archive after the live event. In addition, Internet2 will also have a booth in the SC2003 exhibit area. <http://www.sc-conference.org/sc2003/>

+ New Internet2 Digital Video Info Sheet

A new version of the Internet2 Digital Video infosheet is now available. The Digital Video info sheet highlights new advances in high-quality video streaming and also interactive videoconferencing capabilities. You can request copies of this info sheet by sending email to: <publications@internet2.edu>. A PDF version is available at: <http://www.internet2.edu/info/infokit.html>

◁ **International Update**

+ CLARA - Latin American Cooperation of Advanced Networks

On 9 June 2003, over 16 Latin American national research and education networks joined together to formally constitute CLARA (Cooperacion Latino Americana de Redes Avanzadas). CLARA is an international not-for-profit organization (registered in Uruguay) that is promoting the cooperation among the Latin American NRENs to foster science and technology and cohesive regional networking developments in all Latin America and Caribbean (LA&C) nations. CLARA will also be responsible for the implementation and management of a network infrastructure that will interconnect the national academic networks of several Latin American countries and the connections to other networks of the world. Currently, CLARA is working with DANTE Ltd and other European partners on the ALICE project (America Latina Interconectada con Europa), a project that aims for the creation of a Latin American, intra-regional, research networking infrastructure and its direct interconnection to the pan-European research network GÉANT.

http://www.rnp.br/lang/noticias_en/2003/not-030611.html

http://www.cudi.edu.mx/noticias/junio_2003/clara01.htm

<http://www.dante.net/alice>

+ SERENATE Workshop

SERENATE is the name of a series of strategic studies into the future of research and education networking in Europe, addressing the local (campus networks), national (national research & education networks), European and intercontinental levels. A final workshop was held June 16-17 as part of the SERENATE study being carried out by the European research and education networking community about its strategic future. Workshop presentations are now available.

<http://www.serenate.org/workshop5.html>

Previous workshops during the study brought together industry vendors and carriers to discuss market developments; network users to discuss requirements and national research networks themselves to discuss technical, organization and financial issues. A number of reports from these workshops and other study elements are available at: <http://www.serenate.org/publications/>

<> **Middleware Update**

+ Shibboleth

The Internet2 Shibboleth team is pleased to announce the availability of release 1.0 of its Shibboleth implementation. This new release contains many improvements and enhancements. A partial list is available by going to the Shibboleth web site and clicking on "Shibboleth v1.0" in the left hand navigation bar. With this release, we feel that this implementation has reached a level of maturity making it suitable for production deployments.

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

+ National Middleware Initiative (NMI)

CAMP - June 3-6, 2003, Boulder, Colorado

CAMP offered system architects and project managers involved in enterprise middleware deployment an opportunity for learning and guidance on management, policy, implementation and technology, with a special focus on enterprise authentication. Presentation material for CAMP is now available at:

<http://www.educause.edu/conference/nmi/camp032/>

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

Registration is still open for Advanced CAMP. If you are a system architect from a campus with a maturing middleware infrastructure and have experience in identity management, enterprise directories, and authentication, join your colleagues at Advanced CAMP, a meeting offering a highly focused, highly-technical forum for learning and discussion on research in middleware technologies, with an emphasis on authorization approaches. Registration is available at:

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

The EDUCAUSE Middleware Constituent Group email list is now available. The EDUCAUSE Middleware constituent group provides a forum for discussion and archiving of information relating to the planning, policies, and practices of deploying and managing the core enterprise middleware infrastructure. Participation and subscription information for this EDUCAUSE Constituent Group discussion list can be found at:

<http://www.educause.edu/memdir/cg/>

An NSF REU (Research Experiences for Undergraduates) grant has been awarded to NMI-EDIT to be managed by SURA for the Integration Testbed sites who proposed positions for this program. These sites include Georgia State University, University of Michigan, Texas Academic Computing Center, and University of Virginia (through the TACC project). More information is available at:

http://www.nsf-middleware.org/testbed/testbed_status.asp

+ New Working Group: MACE-CourseID

A new working group regarding course identifier descriptions has been formed. MACE-courseID, the Internet2 Middleware Architecture Committee for Education (MACE) course identifier working group, exists to further the development of course identifiers for higher education and adapt existing development for use in directory enabled infrastructures. This group will leverage the eduPerson object class that includes widely used person attributes in higher education and build on the standards work in IMS. More information is available at:

<http://middleware.internet2.edu/courseID/>

<> **End-to-End Performance Initiative (E2Epi)**

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

Members of the E2Epi team are participating in the Global Grid Forum (GGF) Network Measurement Working Group during the conference in Seattle. The team continues to make improvements to the performance of the database. A 2-page overview of the E2E piPEs has been posted at:

<http://e2epi.internet2.edu/E2EpiPEsOverview.html>

+ H.323 Beacon

A 2-page overview document on the H.323 Beacon has been posted at:

<http://e2epi.internet2.edu/Beacon/BeaconOverview.html>

+ End-to-End (E2E) Case Studies

Two case studies, focusing on end-to-end performance problems, have been posted. The E2Epi team is actively seeking stories about problems with applicability to a wide audience. If you have such a story, please contact Susan Evett <sevett@internet2.edu> to schedule an interview. The case studies can be found at:

<http://e2epi.internet2.edu/CaseStudies/EDUCAUSEcs-index.html> and

<http://e2epi.internet2.edu/CaseStudies/SC02cs-index.html>

+ National Library of Medicine (NLM) Pilot Study

E2Epi is conducting a pilot study on user expectations, the results of which will help NLM in policy decisions. The project is seriously in need of interviewees (members of the health sciences/health care community using networks); if you know of anyone who might be interested in participating, please send contact information to George Brett <ghb@internet2.edu>.

+ Campus Network Infrastructure (CNI) Guide

The project team is working on three deliverables:

1) a "document resource library" of links to previously created documents that users may find helpful:

<http://e2epi.internet2.edu/CNIGuideDocLib.html>

2) a "How To" document: <http://e2epi.internet2.edu/CNIGuideHowTo.html>

3) a policy/procedures document <http://e2epi.internet2.edu/CNIGuidePolicy.html>

+ End-to-End (E2E) Technical Advisory Group (TAG)

The new chair of the E2E TAG is Shawn McKee (Assistant Research Scientist, Physics Department, University of Michigan). Russ Hobby continues to take the administrative role in scheduling meetings and providing attendees with session notes. The collected TAG notes are posted on the E2Epi web site (accessible only to TAG members).

<http://e2epi.internet2.edu/>

<> **Internet2 K20 Initiative Update**

+ Beta Testers Wanted For New myK20 Web Application

With 28 states networks currently connecting over 10,000 institutions to Abilene via the SEGP program, the Internet2 K20 Initiative needed a more scalable way to connect the growing SEGP community with Internet2-related projects and applications. The myK20 service is designed to help identify, stimulate, and connect innovators and advanced application projects across a broad range of institutions. If you are interested in helping us test v1.0 of myK20 before it is released to the wider SEGP community, please visit the following page:

<http://k20.internet2.edu/login.php>

Please take a few minutes to test this new feature and send any feedback to <lfox@internet2.edu> or <jwerle@u.washington.edu>.

<> **New Internet2 Members**

+ Corporate Members

- Video Furnace, Inc., <http://www.videofurnace.com>

- Interoute, <http://www.interoute.com>

- Comcast Cable Communications, Inc., <http://www.comcast.com>

- Paetec Communications, Inc., <http://www.paetec.com>

<> **Future Internet2 Events**

+ Advanced CAMP

8-11 July 2003

Boulder, CO

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

+ Multicast Hands-On Workshop

23-25 July 2003

New York, NY

<http://events.internet2.edu/2003/Multicast/Multicast7-03/Index.html>

+ Joint Techs Workshop
3-7 August 2003
Lawrence, KS
<http://www.ncne.org/training/techs/2003/0803/jt-lawrence.html>

+ Fall 2003 Internet2 Member Meeting
13-16 October 2003
Indianapolis, IN
<http://events.internet2.edu/2003/fall-mm/index.html>

◁ **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>

◁ **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>.

Seminars on Academic Computing
1-6 August
Snowmass Village, CO
<http://www.educause.edu/conference/sac/>

Annual Conference on Distance Learning and Teaching
13-15 August 2003
Madison, WI
<http://www.uwex.edu/disted/conference/>

21st NORDUnet Networking Conference
24-27 August 2003
Reykjavik, Iceland
<http://www.nordunet2003.is/>