



## **Internet2(R) Members Update January 2003**

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Member updates are now archived at:

<http://members.internet2.edu/memberupdates/index.html>

### **◁ Joint Techs Workshop Winter 2003**

The next Joint Techs Workshop, hosted by Florida International University and jointly sponsored by the ESnet Coordinating Committee & Internet2, will be held in Miami, Florida 2-5 February 2003. The focus areas for the workshop will be security, optical networking, and IPv6. Registration and additional information can be found at: <http://www.ncne.org/training/techs/2003/0202/jt-miami.html>

Attendees are responsible for making their own room reservations. To schedule a BoF, contact one of the co-chairs, Janet Brown <[brown@psc.edu](mailto:brown@psc.edu)>, Paul Love <[epl@internet2.edu](mailto:epl@internet2.edu)>, or Bill Wing <[wrv@ornl.gov](mailto:wrv@ornl.gov)>

### **◁ Virtual Briefings**

+ January 15th Virtual Briefing - "Virtual Performance Events: The Bing Technical Environment"  
Speakers will discuss video switching, projection, audio engineering, and network and netcast engineering used to create the virtual environment for the "Cultivating Communities" Performance Event held during the Fall 2002 Internet2 Member Meeting in Los Angeles. Ann Doyle, Internet2 Arts and Humanities Initiative Manager will moderate the Briefing. Speakers will include: Christianne Orto, Director of Recording & Videoconferencing, Manhattan School of Music; Louis Brown, Chief Audio Engineer, Recording & Videoconferencing, Manhattan School of Music; Alan Crosswell, Director of Network and Computing Systems, Columbia University; Christian Todorov, Network Engineer, Internet2; Bob Riddle, Lead Technologist, Internet2. For background information on the Internet2 fall performance event refer to <http://arts.internet2.edu/fall2002-perfevent.html>

The Briefing is scheduled from 1:00 pm-2:30 pm EST (UTC-5). For more information about this Briefing, see <http://events.internet2.edu/briefings/200301.html>

### **◁ Board of Trustees and Advisory Councils Nominations Open**

Nominations for the UCAID Board of Trustees and Advisory Councils are now being accepted. Any member of Internet2 may nominate a candidate as a Board or Council member. There are 17 openings on the councils: Applications Strategy Council (ASC), five openings; Industry Strategy Council (ISC), four openings; Network Planning and Policy Council (NPPAC), four openings; and Network Research Liaison Council (NRLC), four openings. In addition, the Nominating committee will recommend a slate of two Trustees for the Board of Trustees. The Nominating Committee will meet to review the nominations and make their recommendations to the Board. The new Council and Trustees will be announced at the Spring 2003 Member Meeting April 9-11. Nominations may be submitted on the web or sent to <bnanzig@internet2.edu> or by fax at 734-913-4255. All nominations must be received by February 3, 2003. For more information see: <http://www.internet2.edu/about/nominationinfo.html>

For the nomination form, see: <http://www.internet2.edu/about/nominationform.html> or email Barbara Nanzig <bnanzig@internet2.edu>.

#### ◁ Member Activities Update

+ Spring 2003 Member Meeting: Call for Proposals/Demos

The Call for Proposals for the Spring 2003 Internet2 Member Meeting has been issued. Submission deadline is Friday, January 24. Submitters will be notified by Monday, February 10 regarding their proposals. For detailed information about the Call for Proposals, see : <http://events.internet2.edu/2003/spring-mm/callforproposals.html>

Schedule and registration information for the Spring Meeting will be available on the Internet2 web site the week of January 27.

+ Fall 2002 Survey Winner Announced

All Fall 2002 Internet2 Member Meeting attendees who completed the Meeting Survey were eligible for a prize drawing. Greg Petrowich of the University of Alaska, Fairbanks was selected in the drawing, and will receive a global-positioning watch.

#### ◁ Applications Update

+ Call for Demos at the Spring 2003 Internet2 Member Meeting

A call for demos for the Spring 2003 Internet2 Member Meeting (April 9-11 in Washington, DC) will go out on Monday, January 13. For the spring member meeting we are looking for demos that show scenarios of Internet2 high-performance networking applications in use in a variety of real-life settings, including offices, residence halls, laboratories, and the home. The deadline for submitting demos for consideration is January 31. <http://apps.internet2.edu/spring2003-demos.html>

+ Use of Internet2 Commons Videoconferencing Service Growing

The use of the Internet2 Commons H.323 videoconferencing service increased significantly in adoption and use during 2002. There are now over 70 registered site coordinators within the Internet2 member community. The Commons MCUs (Multipoint Control Units) saw peak usage last year of 90 sites and 32 hours per week of videoconferencing. In addition, the Commons was delighted once again to host multiple cascading MCUs for the December 10 Megaconference! Over 200 sites participated in Megaconference IV, representing every continent in the world. For a participant map, see: <http://www.mega-net.net/megaconference/maps.htm>

+ Astronomy and Physics Meetings at AMPATH and Joint Techs

The Internet2 High Energy and Nuclear Physics (HENP) Working Group will meet in conjunction with the AMPATH High Energy Physics Working Group in Miami on February 1. This meeting will focus on finding common ground with the Astronomy community since they have very complimentary modes of utilizing the network. In addition, the AMPATH Astronomy Working Group will meet on January 31 and will feature presentations by Steve Corbato on Networking/Transmission Support and Infrastructure Support; Micah Beck (Internet2 chair for the Digital Storage Initiative) on Data Management; and Harvey Newman and Shawn McKee (Internet2 co-chairs for the HENP Working Group) on areas of collaboration with the HENP community. [http://www.ampath.fiu.edu/wg/HEP\\_wg.htm](http://www.ampath.fiu.edu/wg/HEP_wg.htm)  
[http://www.ampath.fiu.edu/wg/astronomy\\_wg\\_agenda.htm](http://www.ampath.fiu.edu/wg/astronomy_wg_agenda.htm)

+ Orthopedic Surgery Working Group Forming

Internet2 is forming an Orthopedic Surgery Working Group under the leadership of Dr. Chad Smith. Smith is Professor of Orthopedic Surgery and Biomedical Engineering at USC and the president-elect of SICOT (the International Society of Orthopedic Surgery and Traumatology). Membership in this working group is open to all individuals who are affiliated with an Internet2 member institution and who have an interest in Internet2 applications to orthopedic surgery. Contact Chad Smith at <cfsccs@aol.com> if you would like to join this working group.

+ Orthopedic Surgery Research Network Expands

Following the launch of the California Orthopedic Research Network (CORN), held in conjunction with the Internet2 Fall 2002 Member Meeting, there has been growing interest and increasing engagement in the uses of high-performance networking throughout the telemedicine, telerobotics, and other medical research communities. An expansion of CORN, whose original membership comprises four California universities, will be announced at the annual meeting of the American Academy of Orthopedic Surgeons in New Orleans on February 5. The expanded network, Western Orthopedic Research Network (West ORN), will now include California plus 13 additional western states. Further expansion to include Canada and six South American countries will follow in the coming months. A number of demonstrations and activities relating to orthopedic surgery are also in the planning stages, including a Forum on the Applications of Telemedicine, Simulation, Imaging and Robotics to Orthopedic Surgery (planned for August in Los Angeles) and a live virtual hand surgery demonstration for the SICOT/SIROT (the International Society of Orthopedic Surgery and Traumatology) meeting in Cairo in September. For more information, or to become engaged in any of these activities, contact Mary Kratz, Internet2 Manager for Health Science Initiatives <mkratz@internet2.edu>.

<http://health.internet2.edu/news/HSnews.html#CORNLaunch>

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

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

+ Workshop on Producing Performances and Distance Education and National Schools of Music Internet2 Day

Internet2 and the New World Symphony are hosting a two-day event. The first day is an audio/video production workshop, designed to help members create successful interactive digital video/audio productions for performance and distance education. The second day is a National Schools of Music Internet2 Day designed to help school of music administrators and faculty from Internet2 member institutions understand the power of high-performance networking for distance education. This two-day event will take place in Miami on March, 28-29. <http://events.internet2.edu/2003/NWSIndex.html>

◁ **International Update**

+ New Connection for Peer Network SINET

SINET (Science Information Network)- a national research network connecting together the universities of Japan, has upgraded its connection to Abilene's New York City PoP to 2.5gbps per second. SINET previously peered with Abilene in Sunnyvale, CA at 155mbps. SINET plans to connect in New York City to the Manhattan Landing international peering exchange point in order to peer with Abilene, Ca\*net, ESnet, GEANT and other networks.

SINET connects numerous Japanese universities and research centers together at speeds ranging from 30mbps - 1gbps. SuperSINET - launched in 2002 - provides a subset of those institutions a 10gbps backbone throughout Japan. <http://www.sinet.ad.jp/english/index.html>

For more information about Manhattan Landing, see:

[http://international.internet2.edu/intl\\_connect/manlan.html](http://international.internet2.edu/intl_connect/manlan.html)

+ Australian Government Allocates \$42.5 million for Bandwidth Infrastructure for Universities

On December 20, 2002, Australia's Ministry for Education, Science and Training and the Ministry for Communications, Information Technology and the Arts announced that the Australian Government will invest \$42.5 million over the next two years in bandwidth infrastructure for Australian universities and

establish the Australian Research and Education Network (AREN).  
[http://www.dcita.gov.au/Article/0,,0\\_4-2\\_4008-4\\_112715,00.html](http://www.dcita.gov.au/Article/0,,0_4-2_4008-4_112715,00.html)

#### ◁ **Middleware Update**

Registration for the Base CAMP (Campus Architectural Middleware Planning) to be held in Tempe, Arizona, February 5th - 7th, 2003, is now open. For more information go to:  
<http://www.educause.edu/conference/nmi/camp031/>

#### + Shibboleth

Shibboleth version 0.7, released in November, has proven to be significantly easier to install than the previous version. Version 0.8 is scheduled for release in March with version 1.0 to follow in April. A growing number of schools are using Shibboleth in concert with EBSCO for content provision. With the recent break into JSTOR, the capabilities of Shibboleth have received additional attention. With assistance from the University of Cincinnati and the Association of American Medical Colleges (AAMC), an inter-institutional pilot will begin which will use Shibboleth in accessing remotely hosted web courses for medical information such as OSHA compliance training. <http://shibboleth.internet2.edu/>

#### + Directories

The MACE-Dir working group is undergoing a major review of eduPerson to integrate global inputs, in particular from Europe and Australia, and an examination of how to properly use the entitlement field.  
<http://middleware.internet2.edu/core/directories.html>

#### + CREN

As many of you have read, CREN is in the process of dissolving. Internet2 has agreed to provide a home for the existing Certificate Authority services and will be launching a discussion about the status and likely development of digital certificates in higher education in the future.

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

##### + Performance Measurement Workshop

A Performance Measurement Workshop is scheduled immediately following the Joint Techs in Miami from noon on Wednesday, February 5 to noon on Thursday, February 6, 2003. The workshop includes presentations on work in progress in the areas of measurement data collection, data repositories, and data analysis followed by discussion groups to help define coordination, direction, and goals for future work. Registration: <http://events.internet2.edu/2003/E2EMeasWksp2-03/E2EMeasWksp2-03-index.html>

#### ◁ **Internet2 K20 Initiative Update**

##### + Washington's K20 Network Named SEGP of the Month

This month we are featuring two fascinating projects, NEPTUNE and Cell Systems Initiative/Labscape. For more information on these projects and Washington's K20 Network please see the Internet2 K20 website <http://k20.internet2.edu/segp/index.html>

#### ◁ **Member-to-Member Announcements**

##### + Information Sharing Guidelines

Periodically members are interested in sharing information about special activities or opportunities with the Internet2 community such as technology symposiums, workshops, donation programs, product offerings and or grant opportunities. In an effort to facilitate information sharing we are adding a Member-to-Member section to this monthly update. Members interested in contributing notices should review the guidelines at: <http://members.internet2.edu/InformationSharing.html> or email <[evaughan@internet2.edu](mailto:evaughan@internet2.edu)> with proposed announcements.

#### ◁ **Future Internet2 Events**

##### + Hands-On IPv6 Workshop

1-2 February, Miami, FL

[http://www.ampath.fiu.edu/miami03\\_hands-on.htm](http://www.ampath.fiu.edu/miami03_hands-on.htm)

##### + Hands-On Multicast Workshop

5-7 February Miami, FL  
[http://www.ampath.fiu.edu/miami03\\_hands-on.htm](http://www.ampath.fiu.edu/miami03_hands-on.htm)

- + Internet2 Member Meetings
  - Spring 2003 Internet2 Member Meeting, Arlington, Virginia, April 9-11
  - Fall 2003 Internet2 Member Meeting, Indianapolis, Indiana, October 13-16

<> **New Members**

- + Corporate Members
  - Ceyba, Inc

<> **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>

Upcoming Internet2 Days

+ Case Western Reserve University  
3 March, Cleveland, OH

+ University of Notre Dame  
13 March, Notre Dame, IN

+ University of New Mexico  
28 March, Albuquerque, NM

+ National Schools of Music Internet2 Day  
29 March, Miami, FL

<> **Showcase and Spotlight Opportunities - Projects and People**

Internet2 would like to showcase our members' efforts on our homepage. We encourage Internet2 members to share advanced networking milestones, as well events, collaborations and efforts in the advanced networking community. Members 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**

+ 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>

ACUTA  
12-15 January 2003  
Tempe, AZ  
<http://www.acuta.org>

globusWORLD  
13-17 January 2003  
San Diego, CA  
<http://www.globusworld.org>

AMPATH Workshop  
29-31 January  
Miami, FL

<http://www.ampath.fiu.edu/Miami2003.htm>

A Gathering of State Networks

5-6 February

Tempe, AZ

<http://www.educause.edu/netatedu/events/sn031/>

NANOG 27

9-11 February 2003

Phoenix, AZ

<http://www.nanog.org>

Windows on the Future 2003

3-4 March

Columbus, OH

<http://www.ohn.org/conferences/>