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Quilt Talk

Summer/Fall

July/August/
September
2009

The Quilt - A vibrant forum where leaders from the country's advanced regional and state networking organizations collaborate on ideas and share best practices to evolve networking in support of the research and education.

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Quilt News - Quilt 2009 Fall Member Meeting



Hosted by MOREnet, The Quilt gathered in Kansas City on September 16th for its annual fall member meeting. While the primary focus of the meeting was strategic planning, several members along with guest presenters provided service offering and network updates. Steve Cotter of ESnet provided an update on the 100G Prototype Network and Testbed. Ron Milford from NLR presented on best practices for upgrading optical networks based on NLR's recent experience upgrading its network. Both the ESnet and NLR presentations were

timely topics for members who are planning network upgrade projects with stimulus funding. Other Quilt members provided brief updates on service offerings. Presentations from the meeting are available [here](#) by clicking the presenter's name.

The majority of our time in Kansas City was spent conducting The Quilt's annual planning workshop. The planning session was led by Robert Leaver of New Commons and resulted in specific and achievable goals for 2010 and the next several years. Different from past planning sessions, The Quilt concluded its planning session with a set of prioritized activities for the next 3 years, as well as, member volunteers to help lead the efforts.

A new strategic goal tracking tool was introduced by Wendy Kuhn from MCNC. The Confluence tool will be used by all owners and project groups to track the progress of each goal. A special thank you to Wendy Kuhn and MCNC for developing, demonstrating and hosting the Confluence tool.

Many thanks to MOREnet for hosting the event. The next Quilt Member Meeting will be in the early Spring of 2010. More information to come.

Quilt Fall 2009 Member Meeting



On September 16th and 17th, The Quilt held its Fall Member Meeting in Kansas City.

[View More Pictures](#)

Other Advanced Networking News

Berkeley Lab's ESnet Receives \$62 Million to Develop World's Fastest Computer Network

(Source: Lawrence Berkeley National Lab)

In order to facilitate such data-intensive research, ESnet, the Department of Energy's high-performance networking facility managed by the Lawrence Berkeley National Laboratory, is receiving \$62 million to develop what will be the world's fastest computer network, designed specifically to support science.

[More Information](#)

Restart of big particle collider now November

(Source: MSNBC)

Quilt News - Quilt Telepresence Workshop



Members of the R&E networking community and Cisco gathered at the University of Missouri Kansas City (UMKC) campus on September 14-15 for a Cisco TelePresence Workshop hosted by The Quilt and its member MOREnet (Missouri's Research and Education Network). There were several members and Cisco representatives, who participated in the workshop via TelePresence, so workshop participants present at UMKC were able to view the technology in action over the course of the two day workshop. The workshop's program committee was comprised of representatives from Internet2, National LambdaRail, Cisco and The Quilt's Telepresence Working Group.

Workshop topics included; a roadmap from Cisco on its current TelePresence product line; the current state of interoperability between Cisco TelePresence and other available videoconference technologies; details on the requirements to deploy TelePresence such as, network path assessment for larger systems and room readiness plans; presentations on lessons learned from R&E members who have deployed TelePresence, insights into resources required to deploy and operate the technology. North Carolina State University has developed a self-populated directory of TelePresence units in the United States. The link to this directory and other information about The Quilt's TelePresence Working Group can be found [here](#).

Quilt News - Quilt NTIA BTOP Forum

Quilt Members Participate in First Round of BIP/BTOP

From the time the NOFA was released in July until the proposal deadline in mid-August, Quilt members worked feverishly to collaborate on, support, and complete applications for BIP and/or BTOP funds.



Through a survey of first round applicants by The Quilt and a review of the BTOP/BIP application database, The Quilt identified at least 14 proposals that involved 15 Quilt members.

In the case of the [PennREN](#) (the proposed Pennsylvania Research and Education Network), both of the state's Quilt members, 3ROX and MAGPI, collaborated with other Pennsylvania organizations to develop the proposal. Of these 14 proposals, one applied only for the public computing center program, one applied for both the infrastructure program and the sustainable adoption program and one organization applied for the infrastructure program and two public computing center programs. The remainder applied for the middle mile infrastructure program.

Approximately 50% of the applications were submitted by a party other than a Quilt Member. The 13 infrastructure proposals represented a total request of nearly \$860M in project funds. Based on the executive summaries from these applications, approximately 18,700 jobs are expected to be created and/or preserved by the project.

There were four Public Computing Center (PCC) proposals representing a total request of \$4M. The applicants projected these funds would create or preserve a minimum of 1,048 jobs the first year.

The one sustainable adoption program requested nearly \$2.5M, projected 15 jobs, either created or preserved, and will indirectly support 78,000 unemployed people via career training.

Quilt/StateNets Financial Focus Group Update

The Quilt/StateNets Financial Focus Group (FFG) spent the summer researching administrative and reporting rules for the Federal Broadband

Repairs to two small helium leaks in the world's largest atom smasher will delay the restart of the giant machine another month until November, a spokesman for the operator said Thursday.

[More Information](#)

Why Universities Need a New Supercomputer Network

(Source: The Chronicle of Higher Education)

By linking some 1,400 processors at five universities, Indiana

University intends to create a virtual supercomputer in the form of a network called FutureGrid.

[More Information](#)

Building Research Competitiveness

(Source: National Science Foundation)

From biodiversity in the Hawaiian Islands to sustainable development in Maine, six research projects, each representing a state-wide consortium of institutions, have received awards from the National Science Foundation (NSF) for \$20 million over five years.

[More Information](#)

An Electricity-Cost-Aware Internet Routing Scheme

(Source: Technology Review) An Internet-routing algorithm that tracks electricity price fluctuations could save data-hungry companies such as Google, Microsoft, and Amazon millions of dollars each year in electricity costs.

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Quick Links

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Stimulus Grant programs. The FFG held a series of calls during which the group shared information from the Broadband Stimulus workshops, our interpretation of the NOFA and other rules, and provided support to one another. The FFG plans to produce a document outlining what lessons were learned to assist second round applicants.

The Financial Focus Group will be having their face-to-face meeting October 29th and 30th at MCNC in Raleigh-Durham North Carolina. At this meeting, we will discuss where the Financial Focus Group is going, what the group should work on and develop a strategic plan. If you are interested in attending this meeting or joining the Financial Focus Group's monthly calls, please contact Heidi Genthner at 608.265.8652 or heidi.genthner@wiscnet.net or Justin Costa at 614.292.9394 or jcosta@osc.edu.

Regional and State R&E Network News



MCNC'S CFO HONORED BY TRIANGLE BUSINESS JOURNAL

Chief Financial Officer Patricia Moody was one of 20 CFOs in the Triangle recognized for her outstanding financial guidance in a challenging economy. [Full Article](#)

The Great Plains Network (GPN) announced that Bill Mitchell has been named Executive Director, effective

October 12, 2009. Mitchell has been the Executive Director of MOREnet for the last 19 years and has served on the GPN Executive Committee since 1998. He has served in numerous capacities at the state, regional and national level, including co-founder of the Internet K20 initiative. Mitchell's appointment strengthens GPN's role in the increasingly important networking activities across the region.

LONI Gets Funding for TeraGrid Research

Included in the extension is \$1.05 million that will come to the Louisiana Optical Network Initiative, or LONI, to extend the support and network connections that allow TeraGrid users to access LONI's computational resources through March 2011. [Full Article](#)

Northeast Michigan Consortium connects its eight Michigan Works! locations using Merit Network

Partnering with Merit, ARFC used funds from a grant and its members to connect 40 locations, including the NEMC's Michigan Works! location in Alpena, with over 100 miles of fiber-optic cabling

[Full Article](#)

OARnet, Nationwide Children's project honored for its innovation

Columbus, Ohio - August 17, 2009 - The Ohio Academic Resources Network and Nationwide Children's Hospital Division of Neonatology recently received a Health Care Heroes Honorable Mention in Innovation Award for its high-definition telemedicine project from Columbus Business First. [Full Article](#)

OSHEAN Celebrates 10th Year Anniversary

The OSHEAN story started in the spring of 1999 and through the years has grown from a fledgling idea to a bustling consortium of twenty-eight members. OSHEAN ends its first decade as an expansive statewide resource, with a Rhode Island base and roots spread through Massachusetts. First providing only access to the Internet and Internet2, OSHEAN now offers over ten different collaborative services. Members have banded together to develop a half-dozen volunteer working groups, which foster the knowledge sharing that has become such a vital part of the OSHEAN value. In extending our reach, we have hosted five community forums to gather members and the public to explore the areas where technology and society merge.

Now entering its second decade, OSHEAN continues to focus on uncovering collaborative opportunities for its members. As a first step, OSHEAN is actively seeking federal grant assistance to help expand its network and bring the required capacity to underserved members in geographically challenging parts of the region. Turning to the future, OSHEAN stands ready to do "anything for a member" and looks forward to continued work with its members, connecting minds and building community!

NJEDge.Net Conference 6.0 November 18 - 20 2009

Conference 6.0 "Building a Community through Collaboration, bit by bytes" is the antidote! For 2½ days faculty, professional staff, librarians, institutional

researchers, CIOs and other executive administrators will see best practices, emerging technologies, vendor exhibits, and other opportunities for faculty development in an atmosphere that fosters collaboration. [More Information](#)

Upcoming R&E Events

October 2009

Fall 2009 Internet2 Member Meeting
5-8 October San Antonio, TX
[More Information](#)

Oklahoma Supercomputing Symposium
6-7 October Norman, OK
[More Information](#)

MOREnet Instructional Technology Conference (MITC) 2009
Reaching the Digital Age Learner
18-20 October Osage Beach, MO
[More Information](#)

NANOG47 Meeting
18-21 October Dearborn, MI
Joint program on Wednesday morning with ARIN
[More Information](#)

ARIN Meeting
21-23 October Dearborn, MI
[More Information](#)

ACUTA
Fall 2009 Seminar
25-28 October Portland, OR
[More Information](#)

Global Lambda Integrated Facility (GLIF)
9th Annual Global LambdaGrid Workshop
27-28 October Daejeon, South Korea
[More Information](#)

Click [here](#) for more information on events in November and December.

Quilt Contacts

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