



## LEADING THE WAY TO TOMORROW'S INTERNET


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### Quote of the Month

"I think companies will go into this for good reason. Companies are global. Provided there is security for global, multinational companies to set up their own grid, they will."  
--Dick Hilderbrandt, Director of the NSF Partnerships for Advanced Computational Infrastructure Program, on grid computing applications.

### CENIC News

#### CENIC 2002

CENIC's 6th Annual Conference was held on May 5 through 7, 2002 at the Paradise Point Resort in San Diego, California. As always, the conference proved to be a great event for the 200 plus attendees to learn about new technologies and networking applications, while meeting with colleagues in a relaxed environment. Highlights of the conference included keynote speeches from Larry Smarr and Alan Willner, as well as plenary sessions with noted experts to discuss the importance of networking for research and education in California. Presentations from CENIC 2002 are now available on the CENIC website: [www.cenic.org](http://www.cenic.org).

CENIC 2002 was generously sponsored by Cisco, SBC Pacific Bell, Juniper, Qwest, Level 3, Vega Business Technologies, Stratacache, ONI Systems, NetScout, Packet Design CNS. The conference would not have been possible without their support.

#### Director, Backbone Engineering Position Open

The Corporation for Education Network Initiatives in California (CENIC) is seeking a Director, Backbone Engineering to coordinate and lead the implementation, design, and day-to-day engineering support of CENIC's advanced network services, including CalREN-XD (Experimental Development), CalREN-HPR (High Performance Research), and CalREN-DC (Digital California). Priority will be given to current employees of CENIC Charter Associates. Please submit resumes to Rita Knott ([rita@csu.net](mailto:rita@csu.net)).

For the full position description, see [http://www.cenic.org/DCP\\_AppTeam/org\\_funding.html](http://www.cenic.org/DCP_AppTeam/org_funding.html)

#### NGI Roundtable Coming Soon

CENIC is excited about the upcoming launch of the NGI Roundtable. Under a grant from the State of California, CENIC will develop a comprehensive strategy that defines the future of high-performance networking for industry, research, and education in California - maximizing one of the state's key economic forces for the future. The CENIC NGI Roundtable will offer a multi-tiered structure that allows organizations

to participate in NGI activities and projects to benefit network research and development needs today and tomorrow. CENIC Next Generation Internet Roundtable members will include higher education institutions, science and engineering research organizations, and small, medium, and large corporations - organizations who require a viable Next Generation Internet research and development activity.

Keep an eye out for the official announcement in the next month. For more information on the upcoming NGI Roundtable, please contact [molly@aldea.com](mailto:molly@aldea.com).

### **National Networking News**

#### **Digital Empowerment Campaign**

More than 100 national and local organizations, including the Leadership Conference on Civil Rights (LCCR), CTCNet, the National Urban League, the National Congress of American Indians, and the American Council of the Blind, have come together to launch the Digital Empowerment Campaign, a nationwide grassroots effort to preserve and strengthen the Technology Opportunities Program (TOP) and the Community Technology Centers program (CTC). The Bush Administration's FY03 budget proposal calls for the elimination of these two critical federal programs that supply seed money for technology projects in low-income urban areas, rural areas, and Indian tribal lands.

The Digital Empowerment Campaign enjoys bipartisan support in Congress. The leadership of Senators Max Cleland (D-GA) and Barbara Mikulski (D-MD), who stood shoulder to shoulder with the coalition at the Campaign's launch on the steps of the U.S. Capitol, and with the support of Senator Olympia Snowe (R-ME), reflects the fact that "expanding opportunity in the Digital Age is not a partisan issue, but an American issue," said LCCR Executive Director Wade Henderson.

For more information, visit [www.digitalempowerment.org](http://www.digitalempowerment.org)

#### **A Partnership of Universities, Federal Agencies and IT Companies Starts New Network for Testing of Advanced IT Technologies**

The Mid-Atlantic Crossroads (MAX) consortium and the Naval Research Laboratory announce the launch of the next-generation Advanced Technology Demonstration Network (ATDnet), an unclassified Department of Defense (DoD) research network. Partnering with Qwest Communications, Verizon, and Fibergate, this next generation ATDnet is a regional fiber test bed that will support research in emerging and experimental telecommunications technologies and applications.

ATDnet is a partnership of multiple federal institutions that include the Naval Research Laboratory, the Defense Intelligence Agency, NASA Goddard Space Flight Center, the Laboratory for Telecommunications Sciences, the Defense Advanced Research Programs Agency, and the Defense Information Systems Agency.

The new infrastructure will enable investigations in very high-speed optical transport, ultra dense wavelength division multiplexing, non-homogeneous fiber performance, optical burst switching, and interactive high-resolution visualization. Understanding these experimental technologies across wide area networks is key to deploying the advanced services necessary to meet the DoD mission over the next 10 years. These efforts involve researchers at the ATDnet principal sites, regional MAX institutions, and their commercial partners.

Source: I2 News

#### **Hands-on Multicast Workshop**

The University of Oregon will be hosting a hands-on Multicast Workshop for Internet2 connected organizations. The workshop will be held in Eugene, Oregon June 19-21, 2002. The instructors will be Greg Shepherd of Juniper Networks & Beau Williamson of Cisco Systems. Further details can be found at: <http://www.internet2.edu/multicast/workshops/workshop-oregon-200206.shtml>

This workshop is the first in what is hoped to be an on-going set of workshops. Space is limited to 20 students. Register today at: [http://darkwing.uoregon.edu/~llynch/mregistration\\_form.html](http://darkwing.uoregon.edu/~llynch/mregistration_form.html)

Source: Lucy E. Lynch, University of Oregon, [llynch@darkwing.uoregon.edu](mailto:llynch@darkwing.uoregon.edu)

#### **CREW Program - Call for Proposals**

DEADLINE: JUNE 15, 2002.

The Computing Research Association Committee on the Status of Women in Computing Research (CRA-W) is pleased to announce the fifth year of an initiative to support women involved in undergraduate research. The program, Collaborative Research Experience for Women in Undergraduate Computer Science and Engineering (CREW), is designed to provide collaborative research experiences for groups of two to three undergraduate women during the 2002-2003 academic year. It is hoped that by increasing the opportunity to do research and by decreasing the isolation that may be experienced in doing independent research, women scientists and engineers will be encouraged to pursue similar work in graduate school.

Research will be conducted at the students' home institutions. Students will work with a sponsoring faculty member on a project for which monetary support is typically not available. Ordinarily each student will receive a stipend of \$1000 for her work. There is no support provided by this program for faculty stipends. However, up to \$500 per project may be requested for special equipment, travel or supporting materials.

More information, including reports from previous years and proposals from last year, can be accessed at <http://cra.org/Activities/craw/crew>.

**About CENIC**

CENIC is a not-for-profit corporation formed by the California Institute of Technology, the California State University, Stanford University, the University of California, and the University of Southern California to facilitate and coordinate the deployment, development, and operation of a set of seamless and robust advanced network services. The CENIC Associates program offers qualified companies the opportunity to collaborate with CENIC in pursuit of the goal of providing the most advanced network services for research and education. Cisco Systems, Nortel Networks, Pacific Bell, and the University and Community College System of Nevada are CENIC's Partner Associates.

**Subscription Information**

You can subscribe to CENIC Today by visiting [http://www.cenic.org/pubs/c\\_today/cover.html](http://www.cenic.org/pubs/c_today/cover.html) or by sending e-mail to [listproc@cenic.org](mailto:listproc@cenic.org) with the following request in the message body

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