

# NCREN Community Day 2011

In conjunction with the Fall 2011 Internet2 Member Meeting

CONSTRUCTING  
THE NETWORK,  
BUILDING  
THE COMMUNITY

Raleigh, NC October 3-6

## PROGRAM

Wednesday, October 5, 2011

7:00 - 8:30 a.m.	Breakfast
8:30 - 8:45 a.m.	<p><b>Welcome</b>  <b>Joe Freddoso</b>, President and CEO, MCNC  <b>John Killebrew</b>, Vice President, NCREN Community Support  <b>Gail Roper</b>, CIO, City of Raleigh, N.C.</p>
8:45 - 9:45 a.m.	<p><b>NCREN Broadband for Healthcare</b>  <i>Healthcare is NCREN's newest constituent group with 56 working locations and 24 hospitals soon to be added. This session focuses on the value of quality, reliable, real broadband connectivity for North Carolina's health care institutions from the customer's perspective, and will include the significant roles of the FCC and Internet2.</i>  <b>Dave Kirby</b>, Kirby Information Management Consulting, LLC (Moderator)  <b>Andy Anderson</b>, Administrator, IT Operations, UHSEast  <b>Layton Long</b>, Health Director, Davidson County Board of Health  <b>Jeffrey D. Miller</b>, CEO, North Carolina Health Information Exchange  <b>Mike Sullivan</b>, Associate Director, Health Sciences, Internet2</p>
9:45 - 10:00 a.m.	Program Break
10:00 - 11:15 a.m.	<p><b>NCREN / Internet2 General Session:</b>  <b>Drivers of Innovation in a Globally Connected World</b>  <i>Many of the innovations in the way we conduct our personal lives have come from university environments where high performance broadband networks were available, e.g., Google, Facebook. The Federal Government has recognized this value in the FCC's National Broadband Plan and in the broadband stimulus program. A distinguished panel has been assembled to explore this topic from multiple perspectives.</i>  <b>Shannon H. Tufts</b>, Assistant Professor and Director, Center for Public Technology, UNC Chapel Hill (Moderator)  <b>John Bardo</b>, Chancellor, Western Carolina University (retired)  <b>The Honorable Janet Cowell</b>, State Treasurer, North Carolina  <b>Matthew Szulik</b>, former Chairman and CEO, Red Hat  <b>Holden Thorp</b>, Chancellor, UNC Chapel Hill</p>
11:15 - 11:45 a.m.	Program Break
11:45 a.m. - 1:15 p.m.	Lunch
1:15 - 2:20 p.m.	<p><b>Gigabit Community Panel</b>  <i>The University Community Next Generation Innovation Project, or Gig.U, is a group of almost 30 leading research universities from across the United States seeking to accelerate the deployment of ultra high-speed networks to leading U.S. universities and their surrounding communities. North Carolina leads the nation with four universities participating in this project. Information officers from each of these institutions provide stimulating and insightful perspectives on this project and efforts underway to facilitate development and roll out of Gig.U within their communities.</i>  <b>Blair Levin</b>, Communications and Society Fellow, Aspen Institute and Executive Director, Gig.U (Moderator)  <b>Johannes M. Boehme</b>, Associate Vice President Academic and Administrative Systems, Wake Forest Baptist Medical Center  <b>Larry Conrad</b>, Vice Chancellor for Information Technology and CIO, UNC Chapel Hill  <b>Joe Freddoso</b>, President and CEO, MCNC  <b>Tracy Futhey</b>, Vice President, Information Technology, Duke University  <b>Marc Hoit</b>, Vice Chancellor for Information Technology, North Carolina State University</p>
2:20 - 2:30 p.m.	Robyn Render Endeavor Award
2:30 - 3:00 p.m.	Program Break

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3:00 - 4:00 p.m.	<p><b>Municipal Fiber: Expanding the Reach of Real Broadband</b>  <i>Many North Carolina municipalities are successfully, though not necessarily painlessly, building fiber networks to better serve their citizenry. Panelists will address business drivers, challenges, successes, costs, benefits and the impact of fiber ownership within their communities.</i>  <b>Phil Emer</b>, Director of Technology, The William and Ida Friday Institute for Educational Innovation, North Carolina State University (Moderator)  <b>Jonathan Minter</b>, Chief Technology Officer, City of Raleigh  <b>Rhonda Owens</b>, Director, Information Technology Department, Rutherford County  <b>Mark Trail</b>, Information Technology Manager, City of New Bern  <b>Rob Robinson</b>, CIO, Forsyth County Government</p>
4:00 - 4:30 p.m.	<p><b>Refreshment Break sponsored by Cisco</b></p>
4:30 - 5:15	<p><b>Student Voices</b>  <i>Remarkable high school students share their experiences in planning and implementing real world information technology solutions. They will highlight the role of high speed networking as an investment in their educational endeavors.</i>  <b>Kyle Garner</b>, Orange High School Graduate 2011 &amp; Intern, Shodor Education Foundation, Inc.  <b>Thomas Fesperman</b>, student, North Carolina State University &amp; Former Intern, Shodor Education Foundation, Inc.</p>
5:15 - 5:20 p.m.	<p><b>Community Choice Award</b></p>
5:20 - 5:30 p.m.	<p><b>First Day Closing Remarks</b>  <b>Mark Johnson</b>, Interim Executive Director, U.S. UCAN</p>
6:30 - 8:30 p.m.	<p><b>Reception at the N.C. Museum of Natural Sciences</b>  <b>Presentation 7:00 pm: Out on a Limb - Science Education Goes Local-but-Global at North Carolina's New Nature Research Center</b>  <i>North Carolina's new Nature Research Center has the potential to change science education, and inspire the emerging generation to seek careers in science. With its "rock-star" staff of passionate scientists working on research that affects our daily lives, cutting-edge technologies for local and global connectivity to classrooms, and innovative new learning platforms, the NRC puts North Carolina at the forefront of STEM education. As a pioneering scientist herself, Director Meg Lowman spent a lifetime dangling from ropes in tropical trees to discover that half of the earth's biodiversity lives there. Now down from the treetops, Lowman will explain how scientific discovery, and especially role models, can inspire kids in STEM careers, which not only advances science literacy but also propels our economy.</i>  <b>Margaret (Meg) Lowman, PhD</b>, Director, Nature Research Center, North Carolina Museum of Natural Sciences</p>

## PROGRAM

Thursday, October 6, 2011

7:00 - 8:30 a.m.	<p><b>Breakfast</b></p>
8:00 - 8:45 a.m.	<p><b>The NCREN Community Portal</b>  <i>Earlier this year, MCNC launched the NCREN Community Portal which delivers our customers unprecedented access to key network services management information as well as other important content. The Portal incorporates advanced data organization and presentation which provide a foundation for harvesting and aggregating key content. Secure information access provides our K20 community a platform to better visualize operational and network performance data of NCREN. This information-rich resource links NCREN customers to our centralized database service, tools, network performance graphs, and tickets for their respective institution.</i>  <b>Carla Hunt</b>, Manager, Knowledge and Information Systems, MCNC  <b>Paul Kamen</b>, Web Applications Developer, MCNC</p>

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8:45 - 9:45 a.m.	<p><b>Building Communities</b> <i>From Manteo to Murphy, organizations and leaders are redefining the communities they serve. All are different from each other... and at the same time share common strengths such as visionary leadership and high performance broadband connectivity.</i></p> <p><b>Pam McKirdy</b>, Associate Vice President of Technology, Greensboro College, (Moderator) <b>Mary Boone</b>, North Carolina State Librarian <b>Jeffrey C. Moss</b>, Superintendent, Lee County Schools <b>Mur Muchane</b>, Executive Director, Information Technology Services, Davidson College <b>The Honorable Joe P. Tolson</b>, NC House of Representatives <b>Sandra Williams</b>, Senior Vice President and Chief of Technology &amp; Workforce Development, North Carolina Community College System</p>
9:45 - 10:00 a.m.	<p><b>Empower Award Evaluation &amp; Door Prizes Closing Comments</b></p>
10:00 - 10:30 a.m.	<p><b>Refreshment Break</b></p>
10:30 - 11:45 p.m.	<p><b>NCREN / Internet2 General Session:</b> <i>Broadening the Scope of TV Weather Graphics with the Help of the Internet and a Little Data Manipulation</i> <i>Television stations across the country acquire their weather data/graphics from one of four vendors. This data is public domain, and thus free. However, the data has to be packaged in such a way to insure that the software being used can read it, and more importantly display it! This results in significant monthly charges. About 2 years ago, a couple of us in the WRAL Weather Center discovered a myriad of datasets available through the internet, that in many cases were much higher resolution than the data we were paying for. Since that time, we have routinely downloaded these datasets to produce weather graphics that are not available through any of the vendors. I will share a bit about the process of acquiring and manipulating the data, as well as how we are using this process to adopt a new forecasting philosophy.</i></p> <p><b>Greg Fishel</b>, Chief Meteorologist, WRAL-TV 5</p>
11:45 a.m.- 1:00 p.m.	<p><b>Adjourn/Box Lunch</b></p>

Thank you for your participation in the NCREN Community Day 2011 and Fall 2011 Internet2 Member Meeting.

We hope you will complete a survey.  
We welcome and encourage your feedback!

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