# PROGRAM

**Thursday, November 12, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td><strong>Doors Open, Breakfast available for Pre-Conference Session Attendees</strong></td>
</tr>
</tbody>
</table>
| 8:30 - 11:30 a.m. | **Pre-Conference Session: A Community Conversation**  
New this year is *A Community Conversation* -- an opportunity for you to help shape the direction of MCNC and NCREN and create a future of innovation and progress for NCREN’s constituents.  
Participants will be given an overview of the strategic planning that the MCNC Board and MAC are developing then we will guide you through a process to gather input on MCNC’s long-term direction. We will be interested in feedback on the kinds of services and initiatives that MCNC should engage in over the next few years and how we can best support your needs and the needs of the State.  
MCNC is committed to providing the high quality, highly valued services required by the NCREN Community. We need your input to ensure success. Come prepared to engage with us in this very important conversation.  
Wendy L. Kuhn, Principal, Break Through Consulting, LLC  
Shannon Tufts, Assistant Professor, Public Law and Government and Director, Center for Public Technology, UNC Chapel Hill  
**Staff Facilitator:** Mark Johnson, Chief Technology Strategist |
| 8:30 - 11:30 a.m. | **Pre-Conference Session: Maximizing Social Media for Your Organization**  
The communications channels we use to engage with others often enhance today's fast pace technology driven world. One constantly evolving area of increased importance is social media.  
This session will help you maximize social media usage in your organization. Learn how you can leverage the power of social media to build your brand and connect with your stakeholders.  
In this session we will cover:  
- Content and Social Media Strategy  
- Facebook And Twitter Marketing  
- LinkedIn For Networking And Community  
Corey Post, CEO and co-founder, Digital Marketing Foundry  
**Staff Facilitator:** Michelle Mitchell, Communications and Digital Content Manager |
| 11:45 a.m. | **Buffet Lunch available for all attendees**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1:00 - 1:15 p.m. | **Welcome and Opening Remarks**  
John Boehme, Associate VP, Academic and Enterprise Applications, Wake Forest Baptist Medical Center  
Jean Davis, President & CEO, MCNC |
| 1:15 - 2:15 p.m. | **Innovation & Entrepreneurship**  
Many of the innovations in the way we conduct our personal and professional lives have come from university environments where high performance broadband networks are available. North Carolina leaders in education, business and government will discuss how to foster an environment in the state that enables and encourages innovation and entrepreneurship.  
Ed Carney, MCNC Board of Directors  
Dennis Kekas, Executive Director, Institute for Next Generation IT Systems (ITng), NC State  
Jane Smith Patterson, President, Jane Patterson and Associates  
**Moderator:** Tom Rabon, Chairman & Partner, New Kind and Chair, MCNC Board of Directors |
### Program

**Thursday, November 12, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 2:20 – 2:50 p.m. | **Leadership Profile**  
Tsegga Medhin values connecting people with the tools they need to build trust, influence, and drive sustainable results. Hear how she helps develop and empower emerging leaders by leveraging diversity of thought for innovation and collaboration.  
Tsegga Medhin, Executive Director, The Pearl Leadership Institute |
| 2:50 – 3:15 p.m. | **Awards, Break** |
| 3:15 – 3:45 p.m. | **Transforming Healthcare with Technology**  
A thought-provoking look at technology in healthcare and how delivering technology solutions differs among healthcare, academia, government, and business.  
Billy Willis, Assistant Vice President & CTO, Duke Medicine |
| 3:50 – 4:40 p.m. | **STEM Education in North Carolina**  
Educators, parents, and students from two NC STEM Schools of Distinction provide a glimpse into the exemplary leadership, instruction, and work that earned their schools the highest designation for science, technology, engineering, and mathematics in North Carolina.  
José Garcia, STEM Director, Greene County Schools  
Terry Howerton, Biotechnology Coordinator, Atkins Academic / Technology High, Winston-Salem Forsyth County Schools  
**Students and Parents**  
- Melissa Carroll, PTSA President, Atkins Academic & Technology High, Winston-Salem, NC  
- Marco Garcia, Junior, Greene Central High, Snow Hill, NC  
- Andrianna Gardner, Senior, Greene Central High, Snow Hill, NC  
- Taylor Hill, Sophomore, Greene Central High, Snow Hill, NC  
- Reece Neff, Senior, Atkins Academic & Technology High, Winston-Salem, NC  
- Julianne Page, Senior, Atkins Academic & Technology High, Winston-Salem, NC  
- Jareunta Williams, Junior, Greene Central High, Snow Hill, NC  
**Moderator:** Kendall Hageman, Education Policy Manager, Institute for Emerging Issues |
| 4:45 – 5:15 p.m. | **Throwback Thursday**  
A Who’s Who of former colleagues reflect on changes in the network and life after retirement from the NCREN Community.  
Sam Averitt  
Joel Dunn  
John Killebrew  
Carole Stern  
**Moderator:** Paul Jones, Director, ibiblio.org, Clinical Professor, SILS and the School of Media and Journalism, UNC Chapel Hill |
| 5:20 – 5:30 p.m. | **First Day Closing Remarks** |
| 5:30 – 7:00 p.m. | **Networking Reception & Sponsor Showcase** |
**PROGRAM**  
Friday, November 13, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Doors Open, Breakfast available for all attendees</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Community Day 2015 Reconvenes</td>
</tr>
</tbody>
</table>
| 8:10 - 8:55 a.m. | Business with Bacon  
Enjoy a hot breakfast while members of the MCNC team report on our projects, and services. |
| 8 - 9:45 a.m. | **FEATURED SPEAKER**  
Regenerative Medicine: New Approaches to Healthcare  
Patients with diseased or injured organs may be treated with transplanted tissues. There is a severe shortage of donor organs and tissues which is worsening yearly due to the aging population. Regenerative medicine and tissue engineering apply the principles of cell transplantation, material sciences, and bioengineering to construct biological substitutes that may restore and maintain normal function in diseased and injured tissues. Stem cells may offer a potentially limitless source of cells for tissue engineering applications and are opening new options for therapy. Recent advances that have occurred in regenerative medicine will be reviewed. Applications of these new technologies that may offer novel therapies for patients with tissue injury and organ failure will be described.  
Anthony Atala, M.D., Director, Wake Forest Institute for Regenerative Medicine |
| 9:50 - 10:15 a.m. | Break                                                                                           |
| 10:15 - 10:40 a.m. | Inside a MOOC  
After massive open online courses (MOOCs) debuted to both hype and derision, they are establishing themselves as a teaching tool that can be used to enhance learning for both online and residential students. This presentation candidly covers different aspects of producing and running a MOOC. Topics include time requirements of staff and faculty, intellectual property concerns, the realities of online student attrition, learning gains from pre- and post-testing, and opportunities for industrial collaborations. Special attention is given to the benefits of the MOOC to residential students.  
Erland Stevens, Professor, Chemistry Department, Davidson College |
| 10:45 - 11:30 a.m. | Privacy and Information Governance  
All organizations collect, use, store and share many types of data but not all organizations have a good handle on the risk presented by the data in their possession or custody. A nonstop barrage of headlines has shown that no organization, and no sector, is immune from data breaches. This session will provide an overview of data privacy basics and provide guidance on legal and technical strategies to help organizations identify and mitigate their information-related risks.  
Heidi L. Wachs, Special Counsel, Jenner & Block |
| 11:35 a.m. - 12:00 p.m. | Public Safety  
This talk explains the evolution on the horizon for 911, E911, and NG911 services utilizing high-speed broadband for emergency responder communications.  
Richard Taylor, Executive Director, NC E911 Board |
| 12:00 - 12:30 p.m. | Closing Activities, Awards, and Remarks  
MCNC Team |
| 12:30 p.m. | Box Lunch to Go & Formal Adjournment |
Thank you for your participation in the NCREN Community Day 2015.
We hope you will complete a survey. We welcome and encourage your feedback!

THANK YOU TO OUR SPONSORS!

ZETTABYTE SPONSOR

GIGABYTE SPONSOR

MEGABYTE SPONSORS

DOOR PRIZE SPONSORS

BalsamWest | Conterra Broadband Services | ECC Technologies | K&L Gates | Marsh & McLennan Agency | NWN Corporation | Presidio | Smith Anderson

Special thanks to our Host Location
Wake Forest University