



AGENDA

**ANSI Workshop: Smart and Sustainable Cities**

**Thursday, November 21, 2013 | 9 a.m. – 5:30 p.m.**

**Ronald Reagan Building and International Trade Center  
Pavilion Room, 2<sup>nd</sup> Floor  
1300 Pennsylvania Avenue NW  
Washington, DC 20004  
202.312.1300**

Time	Discussion Topic	Speaker
8:00 – 9:00 am	<b>Registration / Continental Breakfast</b>	
9:00 – 9:10 am	<b>Welcoming Remarks</b>	Joe Bhatia President and CEO American National Standards Institute
9:10 – 9:25 am	<b>Opening Keynote Address</b>	Clarence E. Anthony Executive Director National League of Cities
9:25 – 10:45 am	<p><b>Panel 1: Innovation as the Driver of Smart Cities</b></p> <p>Representatives from industry, government and academia will discuss science and technology innovations and other incentives that are enabling the creation of smart and sustainable cities and communities, the architectures for smart cities, and the application of model based systems engineering as an approach to the smart cities challenge.</p> <p><i>Panelist presentations followed by interactive Q&amp;A session covering the following topics:</i></p> <ul style="list-style-type: none"> <li>- What would you say are the key characteristics of a smart and sustainable city that differentiates it from a conventional city?</li> <li>- What industry sectors tend to be the focus of discussion when speaking about smart and sustainable cities?</li> <li>- What advice would you have for a city on how it</li> </ul>	<p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>▪ James T. Pauley Senior Vice President, External Affairs and Government Relations Schneider Electric Chairman of the Board, ANSI</li> </ul> <p><b>Panelists</b></p> <ul style="list-style-type: none"> <li>▪ Ron Baker Distinguished Engineer, Chief Architect for Smarter Cities &amp; Operations Software Architect IBM Software Group, Industry Products</li> <li>▪ Leah Guzowski Energy Policy Scientist Argonne National Laboratory Chicago Lakeside Development</li> </ul>

	<p>can use standards and conformance programs to become more efficient, more sustainable, and more resilient?</p> <ul style="list-style-type: none"> <li>- How should cities go about deciding what technology investments are needed in order to achieve desired outcomes in efficiency, sustainability, and resilience?</li> </ul>	<p>LakeSim Co-investigator</p> <ul style="list-style-type: none"> <li>■ Manyphay Viengkham Senior Systems Analyst GE Energy – Digital Energy</li> <li>■ Alex Stuebler Vice President, Strategy Siemens Industry, Inc.</li> <li>■ Dr. Francis Slakey Upjohn Lecturer on Physics and Public Policy, Georgetown University Executive Director, Georgetown University Energy Prize</li> </ul>
10:45 – 11:00 am	<b>Networking Break</b>	
11:00 – 12:10 pm	<p><b>Panel 2: Formal International Standards Activities for Smart and Sustainable Cities</b></p> <p>Experts will discuss recent activities within the International Organization for Standardization (ISO), the International Electrotechnical Commission (IEC), the International Telecommunication Union (ITU), and ISO/IEC JTC1, <i>Information technology</i>, to define standardization needs in the area of smart and sustainable cities.</p> <p><i>Panelist presentations followed by interactive Q&amp;A session covering the following topics:</i></p> <ul style="list-style-type: none"> <li>- What efforts are underway to coordinate these standards activities at the international level?</li> <li>- What efforts are underway to coordinate U.S. participation in these activities?</li> <li>- What more can or should be done in terms of coordination at either the international or U.S. level?</li> <li>- What areas of smart and sustainable cities standardization are the most important to address?</li> <li>- What stakeholders need to be involved in these activities, and who is currently not at the table?</li> </ul>	<p><b>Moderator / Panelist</b></p> <ul style="list-style-type: none"> <li>■ James E. Matthews, III Vice –President, International Electrotechnical Commission (IEC) and Chairman, Standardization Management Board</li> </ul> <p><b>Additional Panelists</b></p> <ul style="list-style-type: none"> <li>■ Paul B. Najarian Foreign Affairs Officer - ICTs U.S. Department of State</li> <li>■ Alex Tarpinian Senior Manager, International Standards and Policy IBM INCITS Executive Board Member and Chair, Study Group on Planning</li> <li>■ Professor Patricia L. McCarney Department of Political Science and Director, Global Cities Institute John H. Daniels Faculty of Architecture, Landscape and Design University of Toronto Liaison, ISO/TC 268/WG2</li> </ul>
12:10 – 1:00 pm	<b>Networking Lunch</b>	

<p>1:00 – 2:20 pm</p>	<p><b>Panel 3: Other Initiatives and Issues Related to Smart and Sustainable Cities</b></p> <p>Panelists will discuss other national, regional and international initiatives to establish and promote standards and best practices for smart and sustainable cities, including sustainability ratings for local communities, German and European activities, the needs of developing countries, greenhouse gas reduction in cities, and the development of a readiness guide for smart cities.</p> <p><i>Panelist presentations followed by interactive Q&amp;A session covering the following topics:</i></p> <ul style="list-style-type: none"> <li>- What linkages are there between the initiatives you’ve described and those of IEC, ISO, and ITU described in panel 2?</li> <li>- What more can or should be done in terms of coordination with the IEC, ISO and ITU activities?</li> <li>- What areas of smart and sustainable cities standardization are the most important to address?</li> <li>- What stakeholders need to be involved in these activities, and who is currently not at the table?</li> </ul>	<p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>■ Dr. John Kulick Siemens Corp., Corporate Technology Chair, ANSI Company Member Forum</li> </ul> <p><b>Panelists</b></p> <ul style="list-style-type: none"> <li>■ Hilari Varnadore Executive Director STAR Communities</li> <li>■ Dr. Albert Hövel Head of Technical Department DIN, the German Institute for Standardization</li> <li>■ Anthony Pellegrini Founding Partner and Director, Infrastructure and Urban Development Practice Centennial Group</li> <li>■ Mary Sotos Associate, Greenhouse Gas Protocol Program World Resources Institute</li> <li>■ Dr. Lawrence E. Jones Vice President, Utility Innovations &amp; Infrastructure Resilience Alstom Grid North America (on behalf of Smart Cities Council)</li> </ul>
<p>2:20 – 3:40 pm</p>	<p><b>Breakout Discussions</b></p> <p><i>Roundtable breakout discussions among participants. Recommend around 10 to a group which may require combining adjacent tables. Active participation is encouraged. Questions and suggested time allotments for discussion:</i></p> <p><u>General questions (30 minutes)</u></p> <ul style="list-style-type: none"> <li>- What are the primary advantages and disadvantages of advancing standardization in support of smart and sustainable cities?</li> <li>- What overall areas of smart and sustainable cities are the most important to address through standardization?</li> <li>- What other important smart and sustainable cities initiatives have not been discussed?</li> </ul>	<p><b>All</b></p> <p><b>Intro:</b> Jim McCabe Senior Director, Standards Facilitation American National Standards Institute</p>

	<p><u>Specific questions (40 minutes)</u></p> <ul style="list-style-type: none"> <li>- Picking one or more specific areas, what are the main priorities in terms of standardization for smart and sustainable cities?</li> <li>- What stakeholders should be involved in this work?</li> <li>- Looking over the horizon, what new technologies or other game changers need to be recognized and potentially addressed with regard to this specific area(s)?</li> <li>- How can work to develop standards and conformance programs for smart and sustainable cities be better coordinated?</li> </ul> <p><i>Note: As a follow-up action, ANSI is contemplating the establishment of a network on smart and sustainable cities to provide a mechanism for ongoing coordination and information exchange on standardization activity (for example, via monthly webconferences and other resources). Would you be interested in participating in such a network and, if so, what topics would you be most interested in learning more about?</i></p> <p><u>Review key inputs (5 minutes)</u></p>	
3:40 – 4:00 pm	<b>Networking Break</b>	
4:00 – 4:50 pm	<b>Capture Inputs from Breakout Discussions</b>	<p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>▪ Jim Pauley</li> </ul>
4:50 – 5:20 pm	<p><b>Open Discussion and Wrap-Up</b></p> <p><i>In this moderated open discussion, participants will share perspectives on what has been recommended during the day and discuss how ANSI can facilitate ongoing coordination of standardization initiatives for smart and sustainable cities. Active participation is encouraged.</i></p>	<p>Jim Pauley</p> <p><b>All</b></p>
5:20 – 5:30 pm	<b>Closing Remarks</b>	Joe Bhatia
5:30 pm	<b>Adjournment</b>	
5:30 – 6:30 pm	<b>Networking Reception – Pavilion Foyer</b>	