

Session Descriptions

INSS Keynote: Defining Smart City Governance – Architectures of Co-creation and Integration June 6, 11:00 AM – 12:00 PM

David Ludlow, Associate Professor European Smart Cities, University of the West of England Bristol

DESCRIPTION: The dynamic of social and technological innovation is defining a new smart city governance, responding to the complex challenges of urban planning and simultaneously disrupting the governance model in fundamental ways. The background to this concerns effective integrated urban governance, that has proved to be a major challenge, and indeed a challenge too great for expert resolution alone. Accordingly, top-down expertise has increasingly sought the assistance of all stakeholders in a coalition of open governance that strives to respond effectively to the societal challenges of our time. The question for urban governance is extended from concerns to create a more integrated management of the territory, which has dominated the governance agenda for a generation, to a new emphasis on the means by which more participatory engagement can be achieved.

In this new landscape of integrated and participatory, open and co-created urban governance, opportunities to harness innovative social and technology solutions, derived directly from bottom-up engagement in the community, are driving expectations of a more effective policy implementation supported by the new legitimacy of the stakeholder coalition and community political capital. The interplay of social and technological innovation has the potential to transform the governance of our cities, as citizens are demanding more active engagement in the planning of their communities and the visioning of the future city. Technological innovation is providing new means of community engagement facilitating participation in planning as well as creating the potentials for the definition and delivery of more integrated solutions. The presentation will offer some of insights into the experience of European research and innovation projects concerning these dynamics of smart city governance, that is driving forward the agenda defining a new architecture for smart city governance.

Synchronous Sessions June 6, 2:00 – 3:15 PM

ATLANTA: Whose Data Is It Anyway? Empowerment & Ownership of Community Research (EBB 1005)

DESCRIPTION: Neighborhoods and communities of all types are often the subject of data monitoring and research by organizations such as police departments, public health agencies, and universities. Too often citizens and residents are not either aware of the information that is being collected about their lives, or they don't adequately understand its implications and almost never are in control of the data that may impact their families and neighbors. Our panelists will discuss how Participatory Action Research, open systems data sharing, and quality community engagement can make a huge difference in whether a community is empowered or undermined by data.

PANELISTS:

- Kwabena Nkromo, Founder & Lead Principal, Atlanta Food & Farm PBC (moderator)
- Tabia Henry Akintobi, MPH, Associate Professor/Associate Dean, Community Engagement, Director of Prevention Research Center, Director of Evaluation and Institutional Assessment, Department of Community Health and Preventive Medicine, Morehouse School of Medicine
- Christopher Le Dantec, Associate Professor of Digital Media, Georgia Tech
- Terry Ross, Chairperson, Neighborhood Planning Unit T (NPU-T)
- Jamie Wallace, Investigator, Fulton County District Attorney's Office

BALTIMORE: Technology and Urban Sustainability (webcast) (Join this [alternative session](#) in EBB 4029)

What has been learned at the global level and what needs to be learned at the local level to promote and enhance sustainability inclusive of all members of urban communities?

CHARLOTTE: Educating for Engaged Sustainability (webcast) (Join this [alternative session](#) in EBB 5029)

This panel will bring together UNCC and Charlotte area partners to talk about what they might expect from an engaged sustainability course or concentration at UNCC.

Synchronous Sessions June 6, 3:45 – 5:00 PM

ATLANTA: Can Smart, Connected Communities Also Advance Equity? Three Perspectives from Research, Planning, and Design (EBB 1005)

DESCRIPTION: As we plan, design, engineer, and build smart and connected communities, equity is often overlooked—displaced by our focus on technology. But if we do not address equity from the beginning, we run the risk of exacerbating existing conditions of injustice. This panel will explore diverse approaches to addressing equity in research, planning, and design for smart and connected communities, to spark conversation on strategies and tactics appropriate for both public sector and academic projects.

PANELISTS:

- Carl DiSalvo, Associate Professor, School of Literature, Media, and Communication, Co-Faculty Director, SLS Smart Cities, Connected Communities Fellows Program (Spring 2017), Georgia Tech
- Cicely Garrett, Deputy Chief Resilience Officer, City of Atlanta Mayor's Office of Resilience
- Jesse Woo, Research Associate in Privacy and Cybersecurity/SLS Smart Cities, Connected Communities Fellow (Spring 2017), Georgia Tech

BALTIMORE: Investing in Smart Cities to Improve the Lives of Low Income Residents – A Panel Discussion (webcast) (Join this [alternative session](#) in EBB 4029)

Can free access to the Internet, greater transit mobility, and smart cities technologies enhance access to opportunity and social mobility? This panel discussion will engage technology designers, low-income advocates, and public officials in a conversation about what smart cities investments would most improve the lives of low income residents in Baltimore.

Cross-Panel Discussion (webcast) June 7, 11:00 AM – 12:30 PM

Technology for Smart, Connected Communities: The Bridge and the Wall

DESCRIPTION: The organization of Federal support for research and development in the United States fosters enthusiasm for technological innovation. Since these efforts require taxpayer support, the language promoting such innovation links it to positive social outcomes such as jobs, national defense, community benefits such as public and environmental health and safety, and better education. But public and private investments may not have positive or equitable results, and the potential for good results may depend as much or more on the societal contexts in which the innovations develop and are used than on the technical components that are part of the innovations. Pathways towards the vision of smart and connected communities usually include a hope that enhanced technologies (for data collection, pattern recognition, communication, decision making, transportation and other tasks) will improve upon humans' ability to perform these functions by overcoming persistent limitations. However, for these technologies, including artificial intelligence, to create pathways towards positive social outcomes, they must be imbedded in social processes and structures that promote those benefits. How do smart technologies extend human abilities, and what does this mean for social interactions, participation, adaptation, or responsiveness? This panel examines how smart technologies play out in social contexts in various domains, both in terms of successes and failures. In order to better understand the promises and limitations of technology in building smart, connected communities, panelists will examine a variety of case studies. Some will highlight successes applying innovative technologies to improving community function. Others will reflect on failures. And still others will identify both positive and negative outcomes and implications.

PANELISTS:

- *Atlanta:* Emma French, Sustainability Program Manager, Center for Urban Innovation, Georgia Tech
- *Baltimore:* Rachele Hollander, Director, Center for Engineering, Ethics, and Society (CEES) at the National Academy of Engineering (NAE)
- *Lima/Peru:* 1) David Chávez Ph.D., Signals and Communications Theory Area Professor and Chairman; 2) James Walker, Founder and CEO of Informative Technologies; 3) Ronald Gutierrez, D., Associate Professor in Civil Engineering at Pontifical Catholic University of Peru