

Integrated Network for Social Sustainability (INSS)

# Smart, Connected Communities

June 6-7, 2017 at Georgia Tech

## Conference Overview

[Serve-Learn-Sustain](#) is hosting this satellite conference for the second year in a row as part of the NSF-sponsored [Integrated Network for Social Sustainability](#) (INSS), launched by UNC-Charlotte “to encourage a greater appreciation for social aspects of sustainability with a particular focus on engineering and its allied professions.” This annual, multi-site conference is brought together via webcast. We are excited to co-host this year’s conference with GT’s NSF REU Civic Data Science Program ([Data Science for Social Good](#)) and [The Institute for People and Technology](#).

The theme for [this year’s conference](#) is “Smart, Connected Communities.” Sites include Charlotte, NC, Atlanta, GA, Baltimore, MD, and Lima, Peru. Questions to be explored, through our local work and the sessions with the other sites, include but are not limited to:

- How can data and new technological applications enhance community wellbeing?
- By what ethical standards should we judge these new applications?
- For which ‘communities,’ and at which scales, will so-called ‘smart’ technology enhance community wellbeing?
- Are the purported benefits of ‘smart’ systems possible without technological sophistication?
- How does the meaning of ‘smart, connected communities’ vary across different cultural and historical contexts?
- What historical models exist for ‘smart, connected’ communities?

Our local work in Atlanta will build especially on lessons learned from the SLS Smart Cities, Connected Communities Fellows program run in Spring 2017. Our specific goal for the conference is to lay out plans for working on a few different Georgia Tech and Atlanta-based initiatives focused on “data for sustainable communities” that support collaboration among faculty, students, and partners to enhance and expand teaching, research, and action related to this theme. As such, this will be a working conference concluding with small group discussions to get started on these plans.



An NSF Research  
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# AGENDA - Tuesday, June 6, 2017

Objective: Introduce and discuss key issues related to data and technology for sustainable communities

8:00am – 9:00am EBB 1005	Registration, Breakfast, and Collaborative Art Installation: <b>Data for Imagination: Constructing Sustainable Futures</b> Join new media local artist <a href="#">Bojana Ginn</a> to construct a collaborative installation using light and organic fiber, inspired by data from the Atlanta Regional Commission. Participants will have a hands-on experience translating data into a sculptural piece of ecologically-conscious art.
9:00am – 9:15am	<b>Welcome</b> <ul style="list-style-type: none"><li>• <a href="#">Jennifer Hirsch</a>, Director, Serve-Learn-Sustain, Georgia Tech</li><li>• <a href="#">Dr. Rafael Bras</a>, Provost, Georgia Institute of Technology</li></ul>
9:15am – 10:15am	<b>Reflections on Data for Imagination: Constructing Sustainable Futures</b> <ul style="list-style-type: none"><li>• New media artist <a href="#">Bojana Ginn</a></li><li>• <a href="#">Mike Carnathan</a>, Manager, Research &amp; Analytics Division, Atlanta Regional Commission</li><li>• <a href="#">Jennifer Hirsch</a>, Director, Serve-Learn-Sustain, Georgia Tech</li></ul>
10:15am – 10:30am	Break
10:30am – 11:00am	<b>Welcome from INSS Charlotte</b>
11:00am – 12:00am	INSS Keynote (webcast): <a href="#">See Session Descriptions</a> <b>Defining Smart City Governance – Architectures of Co-creation and Integration</b> <a href="#">David Ludlow</a> , Associate Professor European Smart Cities, University of the West of England Bristol
12:00am – 1:45pm	<b>ATL Lunch: <i>Roundtable Discussions of “Data In Action” Case Studies</i></b> <a href="#">See Roundtable Descriptions</a>
1:45pm – 2:00pm	Break
2:00pm – 3:15pm Atlanta :EBB 1005 Baltimore: EBB 4029 Charlotte: EBB 5029	Synchronous Sessions: <a href="#">See Session Descriptions</a> <ul style="list-style-type: none"><li>• <b>Atlanta: Whose Data Is It Anyway?: Empowerment &amp; Ownership of Community Research</b><ul style="list-style-type: none"><li>○ <a href="#">Kwabena Nkromo</a>, Founder &amp; Lead Principal, Atlanta Food &amp; Farm PBC (moderator)</li><li>○ <a href="#">Tabia Henry Akintobi</a>, 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</li><li>○ Christopher Le Dantec, Associate Professor of Digital Media, Georgia Tech</li><li>○ <a href="#">Terry Ross</a>, Chairperson, Neighborhood Planning Unit T (NPU-T)</li><li>○ Jamie Wallace, Investigator, Fulton County District Attorney's Office</li></ul></li><li>• Baltimore: Technology and Urban Sustainability (webcast)</li><li>• Charlotte: Educating for Engaged Sustainability (webcast)</li></ul>
3:45pm – 5:00pm Atlanta: EBB 1005 Baltimore: EBB 4029	Synchronous Sessions: <a href="#">See Session Descriptions</a> <ul style="list-style-type: none"><li>• <b>Atlanta: Can Smart, Connected Communities Also Advance Equity? Three Perspectives from Research, Planning, and Design</b><ul style="list-style-type: none"><li>○ <a href="#">Carl DiSalvo</a>, Associate Professor, School of Literature, Media, and Communication, Co-Faculty Director, SLS Smart Cities, Connected Communities Fellows Program, Georgia Tech</li><li>○ Cicely Garrett, Deputy Chief Resilience Officer, City of Atlanta Mayor's Office of Resilience</li><li>○ Jesse Woo, Research Associate in Privacy and Cybersecurity/SLS Smart Cities, Connected Communities Fellow, Georgia Tech</li></ul></li><li>• Baltimore: Investing in Smart Cities to Improve the Lives of Low Income Residents – A Panel Discussion (webcast)</li></ul>

# AGENDA - Wednesday, June 7, 2017

Objective: Develop key questions and work plans for using data to advance sustainable communities work

8:00am – 8:45am EBB 1005	Breakfast
8:45am – 9:30am	<b>Keynote Listener Reports</b> <ul style="list-style-type: none"><li>• RESEARCH: <a href="#">Subhrajit Guhathakurta</a>, Professor, School of City and Regional Planning/Director, Center for Geographic Information Systems, Georgia Tech</li><li>• EDUCATION FOR SUSTAINABLE DEVELOPMENT: <a href="#">Fatemeh Shafiei</a>, Associate Professor, Political Science, Spelman College</li><li>• ACTION: <a href="#">Djuan Coleon</a>, Executive Director, PURE (Project Urban Renewable Energy), Inc.</li></ul>
9:30am – 10:45am	<b>Working Session: Small Groups Develop Action Plans</b> <ul style="list-style-type: none"><li>• SLS-supported Data Science for Sustainable Communities Action Group</li><li>• UN University Regional Centre of Expertise on Education for Sustainable Development (RCE) – Regional Data Hub</li><li>• Data Science for Social Good summer program</li><li>• Others proposed by audience</li></ul>
11:00am – 12:30pm	Cross-site Panel (webcast): <a href="#">See Session Descriptions</a> <b>Technology for Smart, Connected Communities: The Bridge and the Wall</b> Atlanta panelist: <a href="#">Emma French</a> , Sustainability Program Manager, Center for Urban Innovation, Georgia Tech
12:30pm – 1:00pm	INSS Closing Session over Lunch (webcast)
1:00pm – 1:15pm	<b>INSS-ATL Closing Session: Next Steps</b>
1:15pm	Conclude
1:30pm – 3:30pm EBB 1005	Post-Conference Workshop: <b><i>EPA's Environmental Justice Screening Tool and Demo: <a href="#">EPA EJSCREEN</a></i></b> <ul style="list-style-type: none"><li>• Ravishankar A. Rao, MPH, MPA; Environmental Epidemiologist, US EPA – Region 4</li><li>• Latoya Miller; Environmental Scientist, US EPA – Region 4</li><li>• Christian Braneon, PhD, EIT; Assistant Director, Center for Serve-Learn-Sustain</li></ul> <p>EPA's goal is to provide an environment where all people enjoy the same degree of protection from environmental and health hazards and equal access to the decision-making process to maintain a healthy environment in which to live, learn, and work. An important first step to ensuring environmental justice for all people in this country is to identify the areas where people are most vulnerable or likely to be exposed to different types of pollution. For this reason, EPA developed EJSCREEN to help aid in efforts to ensure programs, policies, and resources are appropriately inclusive and consider the needs of communities most burdened by pollution. This session, led by EPA Region 4 Representatives will provide an overview of EJSCREEN, including background information, data, and maps and reports, as well as a demonstration of the tool and how it is used at the EPA. Session Attendees are encouraged to bring a laptop to follow along.</p> <p>Handout: <a href="#">EJSCREEN Fact Sheet</a></p> <p>*PRE-REGISTRATION REQUIRED*</p>