



MetroLab Network 2018 Annual Summit

Newark, NJ | October 15-16 | Hosted by New Jersey Institute of Technology and the City of Newark

<https://metrolabnetwork.org/annual-summit/2018-summit/>

Sunday, October 14

7:00 pm to 9:00 pm
Welcome Reception at
[Hotel Indigo Rooftop](#)

Monday, October 15

8:00 am to 5:30 pm
Conference at NJIT
[Wellness & Events Center](#)

Tuesday, October 16

8:00 am to 5:30 pm
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[Wellness & Events Center](#)

6:30 pm to 8:30 pm
Reception at
[Newark Museum](#)

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Thank you to our Summit Sponsors



Monday, October 15th

8:30 AM Registration, Light Breakfast

9:15 AM Welcome

Dr. Joel Bloom, President of New Jersey Institute of Technology
Mayor Ras Baraka, City of Newark

9:45 AM Civic Leadership & Creating a Culture of Innovation

This panel will explore how Mayors foster civic participation, drive technology transformation, and support innovation economies. It will tell these stories through the lens of two cities that continue to define their own pathways to success.

Moderator: Governor Martin O'Malley, 61st Governor of Maryland and 47th Mayor of Baltimore
Mayor Ras Baraka, City of Newark
Mayor Andrew Berke, City of Chattanooga

10:30 AM Break

10:45 AM Technology for Civic Data Integration

This panel will introduce a new paper from MetroLab, Actionable Intelligence for Social Policy, and National Neighborhood Indicators Partnership focused on how governments are building integrated data systems from a technology perspective.

Moderator: Natalie Evans Harris, Harris Data Consulting
Amy Hawn Nelson, Actionable Intelligence for Social Policy
Jason Lally, City and County of San Francisco
Emily Wiegand, Chapin Hall
Bill Yock, County of Santa Clara

11:30 AM Using Data to Understand People & Place

This panel will explore how data, mapping, visualization, and prediction are helping cities understand their residents, neighborhoods, and communities.

Moderator: Debra Lam, Managing Director of Smart Cities and Inclusive Innovation, Georgia Tech
Jason Jones, Analytics Officer, Guilford County, NC
Santi Garces, Chief Innovation Officer, City of South Bend
Nancy LeMond, EVP & Chief Advocacy and Engagement Officer, AARP
Bill Skerpan, Innovation & Analytics Manager, City of Boulder
Ken Steif, MUSA Program Director, University of Pennsylvania

12:15 PM Morning Wrap-up

12:20 PM Lunch

1:15 PM

Breakout Sessions

How Data Use Varies Across Sectors

This panel will build upon both morning discussions by exploring the strategic use of data from a technology and policy perspective. Panelists will share experiences with data integration across a number of sectors: transportation, air quality, workforce development, human services, and more. Panelists bring extensive experience navigating academic and public sector stakeholders in driving forward civic data efforts.

Commercializing Research to Solve Urban Challenges at Scale

The process of moving a research project from lab to market is fraught with hazards. Intellectual property missteps, team dynamics, and a misunderstanding of customer needs and channel economics are but a few of the areas where teams struggle to scale their impact. Despite these risks, this is arguably the optimal time for new startups focused on solving urban problems to succeed. In this interactive session, the panelists will provide researchers interested in the startup journey with actionable insights and clear pitfalls to avoid.

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Moderator: Matt Gee, BrightHive
Natalie Evans Harris, Harris Data Consulting
Bill Howe, University of Washington
Christine Kendrick, City of Portland, OR

Moderator: Micah Kotch, URBAN-X
Stonly Baptiste, UrbanUs
Beth Kauderer, Columbia Tech Ventures
Ioannis "John" Kymissis, Columbia University

2:15 PM Break

2:45 PM

Lightning Talks

Civic Data

Dan O'Brien, BARI:
Pursuing Equity in the Age of Algorithms: Evaluating a Technological Approach to School Choice and Assignment in Boston, MA

Julia Koschinsky, Univ. of Chicago:
Identifying Spatial Gaps in Service Access

Geoff Arnold, City of Pittsburgh:
Analytics in Fire Prediction

Mobility & Transportation

Ellen Dunham-Jones, Georgia Tech:
Redesigning User Experience on Shared Autonomous Shuttle Busses

Abhishek Dubey, Vanderbilt Univ.
Using Neural Networks to Predict Transit

Charlie Catlett, Univ. of Chicago:
Update on the Array of Things Partnership Program

Networks

Jon Fink, Portland State:
Creating a network of academic, corporate & nonprofit campuses as testbeds

Tony Luppino, UMKC:
LTL national network and the regional urban innovation initiatives

Kimmy Lucas, City of Boston:
Developing a Civic Research Agenda

Housing and Health

Carl DiSalvo & Chris LeDantec, Georgia Tech:
Smart Home Development

Meghan Cook, Univ of Albany:
Community Officials Data Exchange

Dan Hoffman & Ariella Bak, City of Gainesville:
The Evolution of Community Medicine

3:45 PM Break

4:00 PM Are Smart Cities Utopian or Dystopian?

This panel will explore smart cities from an ethical, philosophical, and design perspective. It will address issues associated with data privacy, including who owns data generated by smart cities deployments and how are they monetized. It will explore the ethics of new predictive tools. It will explore the balance of spontaneity and planning, and test the notion that cities ought to be systematized at all.

Moderator: Ben Green, Author, *The Smart Enough City: Putting Technology in Its Place to Reclaim Our Urban Future*
Brenna Berman, Executive Director, CityTech
Ryan Gerety, Technology Fellow, Ford Foundation
Rayid Ghani, Director of the Center for Data Science and Public Policy, University of Chicago
Anthony Townsend, Principle Consultant, Bits and Atoms

4:45 PM Pathways to Innovation: A Discussion about Newark

Newark, the New Jersey Institute of Technology, and its partners will share their successes and vision for Newark, as it relates to civic innovation, smart cities, its tech economy, and inclusive growth.

5:10 PM Closing Remarks

Ben Levine, Executive Director, MetroLab Network

5:15 PM Program Concludes

5:45 PM Walking Tour: Newark Past and Present – will include a demo of Newark's new Smart Cities Deployments (Optional)
Will depart from the [Hotel Indigo Lobby](#) and proceed to the reception at the Newark Museum

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Tuesday, October 16th

8:30 AM Registration & Light Breakfast

9:00 AM Welcome – Governor Martin O’Malley, 61st Governor of Maryland and 47th Mayor of Baltimore

9:15 AM Keynote to be announced

9:45 AM Making Urban Research a University Priority

Universities are increasingly harnessing their intellectual assets – their faculty, researchers, and students – to drive civic innovation. This panel will explore how a number of universities have created an academic culture that encourages and incentivizes engagement with civic partners, including cities, industry, and non-profits. It will address how universities have created programs and institutes that house city-university collaboration. It will review the successes to-date and the challenges that remain.

*Moderator: Meghan Houghton, Program Officer, National Science Foundation
James Bean, Provost, Northeastern University
Ramayya Krishnan, Dean, Carnegie Mellon University
Miroslav Krstic, Senior Associate Vice Chancellor for Research, University of California, San Diego
Marie Lynn Miranda, Provost, Rice University
Suzanne Rivera, Vice President for Research and Technology, Case Western Reserve University*

10:30 AM MetroLab Network Updates and the Year Ahead

Ben Levine, Executive Director, MetroLab Network

11:15 AM Break

11:45 AM Land-use in the Age of Smart Cities

This panel will explore how technology and data affects cities at a macro- and micro-level. It will explore how data, mapping, visualization, and prediction are presenting opportunities for city planners; it will also explore how new technologies affect cities at the street level -- including the on-demand economy, dockless bikes, and increased freight.

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Karina Ricks, Director of Mobility and Infrastructure, City of Pittsburgh
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Breakout Sessions and Workshops

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Programs that Strengthen City/University Partnerships

This session will build upon the morning’s discussion by diving deep on a number of efforts at cities and universities that provide structured mechanisms for faculty and students to engage with cities on real-world priorities.

Future of Privacy Forum Workshop

This workshop will introduce FPF’s Smart Cities Privacy Research Collaborative, whose mission is to provide resources for stakeholders to incorporate privacy considerations and assessments into smart city projects and develop widely acceptable principles, processes, and best practices. The project is supported by NSF and done in partnership with MetroLab.

Facilitators:
Miriam McKinney, Center for Gov't Excellence, Johns Hopkins Univ
Andrew Nicklin, Center for Gov't Excellence, Johns Hopkins Univ

Moderator: Karen Lightman, Metro21 CMU
Jen Duthie, City of Austin
Constantine Kontokosta, NYU CUSP
Emily Robbins, Boston Univ
Sarah Stone, Univ of Washington

Facilitator:
Kelsey Finch, Future of Privacy Forum

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This section will discuss the implementation of a community resource referral technology in a preventive Child Welfare services setting. The principles discussed will be applicable to multiple settings and will introduce the technology, present results on the feasibility of implementation, and include a moderated discussion of barriers and facilitators of community resource referral technology adoption. You will leave this session with ideas for experimental evaluation of client and cost outcomes using this tech in your own setting.

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Moderator: Santi Garces, City of South Bend
Aisha Glover, Newark Community Economic Development Corporation
Signe-Mary McKerman, Urban Institute
Michael Shaw, Kresge Foundation

3:30 PM Break

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Ari Anisfeld, Univ. of Chicago:
ScopeAthon: A Proposed Model for Project Scoping

Eli Turkel & Betsey Suchanic, Univ of Delaware: The Hackathon Revisited

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Matthijs Bouw, One Architecture:
Designing Circularity from the Ground Up

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Angela Garretson, Director Policy & Partnerships, New Jersey Institute of Technology
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