Preliminary Agenda

MONDAY, AUGUST 28, 2017 Registration 8:00 am – 5:00 pm

8:50am –12:00 pm	**Plenary Session**	**MAIN STAGE, EXHIBIT HALL E**

8:50 am	**Opening Remarks**	
	TBD – National Institute of Standards and Technology	
9:00 am	**Federal Keynotes**	
	Ian Steff, Deputy Assistant Secretary for Manufacturing, U.S. Department of Commerce (DOC)	
	Richard G. Kidd IV, Deputy Assistant Secretary of the Army, U.S. Department of Defense	
	Erwin P. Gianchandani, Deputy Assistant Director, National Science Foundation	
	Kathleen Hogan, Deputy Assistant Secretary for Energy Efficiency, U.S. Department of Energy	
10:00 am	**Mayor Keynotes Panel**	
	Moderator: Judy Reinke, Career Minister, U.S. & Foreign Commercial Service, U.S. DOC	
	Catherine Pugh, Mayor, City of Baltimore, Maryland	
	Roy Buol, Mayor, City of Dubuque, Iowa	
	Acquanetta Warren, Mayor, City of Fontana, California	
	Pauline Cutter, Mayor, City of San Leandro, California	
	Gary McCarthy, Mayor, City of Schenectady, New York	
11:00 am	**International Mayor Keynote**	
	Hayato Shimizu, Mayor, City of Saitama, Japan	
11:10 am	**Super Cluster Presentations**	
	<u>Public Safety</u>: *Michael Dunaway, Director, NIMSAT, University of Louisiana at Lafayette; Archana Vemulapalli, Chief Technology Officer, Washington DC; Dean Skidmore*	
	<u>Transportation</u>: *Wilf Pinfold, CEO, Urban Systems; Skip Newberry, President and CEO, Technology Associates of Oregon*	

12:10 – 1:00 pm	**LUNCH (on your own)**	

12:00 – 5:00 pm	**Exhibit Floor Opens**	**EXHIBIT HALL E**

PARALLEL SESSIONS

	Super Cluster Launch & Action Cluster Presentations Track 1* ROOM 146C	**Action Cluster Presentations Track 2*** ROOM 146A	**Partner Workshops** ROOM 147B
1:00 – 5:30 pm ***See Speaker Lineup for Tracks 1 and 2 following the agenda. Timing subject to change**	**Data Governance/Exchange Super Cluster Launch Panel** (1:00 – 1:50 pm) **Public Safety** (1:50 – 4:30 pm) **Other Action Clusters** (4:30 – 5:30 pm) *Action Clusters present on their projects for smart cities*	**Transportation** (1:00 – 4:20 pm) **FIWARE** (4:20 – 5:00 pm) *Action Clusters present on their projects for smart cities*	**U.S. Ignite** (1:00 – 2:00 pm) **Metrolab Network** (2:00 – 3:00 pm) **European Commission** (3:00 – 4:00 pm) **National Telecommunications and Information Administration (NTIA)** (4:00-5:00 pm) *Organizations hold workshops to provide in-depth information on important smart city solutions*

Global City Teams Challenge EXPO

Walter E. Washington Convention Center • August 28-29, 2017

TUESDAY, AUGUST 29, 2017 Registration 8:00 am – 5:00 pm

9:00am –12:00 pm	**Plenary Session**	**MAIN STAGE, EXHIBIT HALL E**

9:00 am	**Opening Remarks**
	Chris Greer, Director, Smart Grid and Cyber-Physical Systems Program, National Institute of Standards and Technology
9:10 am	**Federal Keynote**
	The Department of Homeland Security (DHS)/Global City Team Challenge Partnership: Doug Maughan, Director, Cyber Security Division, Science and Technology Directorate, DHS
9:20 am	**Federal Smart City and Community Task Force Panel**
	Ken Leonard, Director, Intelligent Transportation Systems Joint Program Office, U.S. Department of Transportation
	Ken Calvert, Director, CISE Division of Computer and Network Systems (CNS), National Science Foundation
	Meghan Houghton, Staff Associate, National Science Foundation
	Chris Greer, Director, Smart Grid and Cyber-Physical Systems Program, National Institute of Standards and Technology
10:10 am	**International Perspectives**
	Hideyuki Tokuda, President, National Institute of Information and Communications Technology, Japan
	Ming-Teh Wang, Deputy Mayor, City of Taoyuan, Taiwan
	Michael C.Y. Chang, Deputy Mayor, City of Tainan, Taiwan
10:30 am	**Partner Program Announcements**
	David McCann, Vice President, AWS Marketplace, Amazon
	Jose Gonzalez, International Cooperation Manager, FIWARE
10:50 am	**Super Cluster Presentations***
	Utilities – Energy, Water & Waste Management: *Ed Davalos, Sales Leader, Motorola Solutions; Deborah Acosta, Chief Technology Officer, City of San Leandro, CA; Ken Thompson, Deputy Director, CH2M; Derick Lee, Founder and Chief Architect, PilotCity; Scott Pomeroy, President, Scalable Strategies*
	Public WiFi/Broadband: *Tony Batalla, IT Manager, City of San Leandro, CA; Jean Rice, Senior Broadband Program Specialist, NTIA*
	City Data Platform/Dashboard: *Bob Bennett, Chief Innovation Officer, City of Kansas City, Missouri*

12:20 pm	**LUNCH (on your own)**

12:20 – 5:00 pm	**Exhibit Floor Opens**

1:00 – 5:00 pm	**PARALLEL SESSIONS**		
*See Super Cluster and Action Cluster Speaker Lineups following the agenda. Timing subject to change. ****Partner workshops described following the agenda.**	**Action Cluster Presentations Track 3*** ROOM 146C	**Action Cluster Presentations Track 4*** ROOM 146A	**Partner Workshops**** ROOM 147B
	Utilities (Energy, Water & Waste Management) *Action Clusters present on their projects for smart cities*	**Public WiFi/Broadband** **City Data Platform/Dashboard** *Action Clusters present on their projects for smart cities*	**DHS** (1:00 – 2:00 pm) **FIWARE** (2:00 – 3:00 pm) **ITA** (3:00 – 4:00 pm) **City Performance Indicators Research Group** (4:00 – 5:00 pm)

Global City Teams Challenge EXPO

Walter E. Washington Convention Center • August 28-29, 2017

	SUPER CLUSTER SPEAKER LINEUP
	MONDAY, AUGUST 28, 2017 11:10 am – 12:10 pm

11:10 – 11:40 am	**TRACK 1 Room 146C: Public Safety Super Cluster** **Smart Cities/Communities:** Washington DC *Michael Dunaway, Director, NIMSAT, University of Louisiana at Lafayette* *Archana Vemulapalli, Chief Technology Officer, Washington DC* *Dean Skidmore* *The Public Safety Super Cluster (PSSC) of the Global City Teams Challenge is a public-private partnership dedicated to identifying technologies, processes and strategies from among GCTC members to enhance public safety and resilience within smart connected communities, and improve the preparedness, response and recovery of modern society from the complex challenges, hazards and risks that threaten local and regional stability. The broad goal of the PSSC is to develop, integrate and pilot technology applications and test new operating procedures and employment methods in collaboration with first responders, public safety officials, and government agencies, to improve situational awareness before, during, and after an incident or civil emergency in order to protect human life, maintain community functions and infrastructure, and ensure public safety. Moreover, the PSSC aims to improve policies and procedures for integration of advanced communications methods and decision systems to enhance interagency planning and coordination of resources within smart and connected communities. The PSSC focuses specific attention on the integration of current and future Internet of Things (IoT) technologies to build resilience and sustainability into the technology ecosystem that comprises smart, connected communities. The PSSC was launched in 2016 by GCTC member communities engaged in developing public-safety focused technologies, and is currently open to membership by all communities, private sector enterprises, non-governmental organizations, and government agencies (at all levels), who share an interest in addressing current and future challenges in public safety, disaster preparedness, and community resilience through the development and integration of advanced technologies.*
11:40 am – 12:10 pm	**TRACK 2 Room 146A: Transportation Super Cluster** **Smart Cities/Communities:** Portland, OR and Columbus, OH, *Wilf Pinfold, CEO, Urban Systems* *Skip Newberry, President and CEO, Technology Associates of Oregon* *This Super Cluster was formed and is managed by forward looking municipalities interested in preparing their infrastructure for new technologies that look set to provide better, more equitable services at lower cost. It explores the opportunities provided by first and last mile vehicles including shared, low speed and autonomous. It explores the opportunities for building vibrant communities around transfer points and mobility hubs and it addresses how these vehicles and hubs can play a role in the last mile delivery of packages and other freight. To support these opportunities the Super Cluster works with teams developing new and advanced transportation models and environmental sensors that allow both the prediction of probable outcomes and the measurement of actual outcomes of introducing these technologies. Finally, the Super Cluster works with teams implementing a smart citySDK to ensure the portability and interchangeability of solutions and propose regulatory and policy changes that support the safe deployment of these technologies.*

TUESDAY, AUGUST 29, 2017 10:50 am – 12:20 pm

10:50 – 11:20 am	**Track 3 Room 146C: Utilities – Energy, Water and Waste Management**

Smart Cities/Communities: Atlanta, GA and San Leandro, CA
Ed Davalos, Sales Leader, Motorola Solutions
Deborah Acosta, Chief Technology Officer, City of San Leandro, CA
Ken Thompson, Deputy Director, CH2M
Derick Lee, Founder and Chief Architect, PilotCity
Scott Pomeroy, President, Scalable Strategies

The GCTC Utility Super Cluster purpose is to address leading sustainability issues in cities for Energy, Water and Waste by bringing cities and counties together in the United States and around the world with academia and technology partners to demonstrate real world class examples and best practices. The Super Cluster is managed in three groups with each group managed with its own working group chair. Each Energy, Water and Waste working group is responsible for managing active projects with a common goal to develop a common blueprint. The blueprint will represent best practices and serve as a practical guide for the implementation IoT technologies. Objectives for the Utility Super Cluster include:

- *Reduce water lost through leaks in water transmission and distribution utility infrastructure*
- *Increase water revenues with new and innovative metering technologies*
- *Increase water conservation adoption with weather analytics bases solutions*
- *Address city resilience needs with a focus on energy*
- *Develop and implement new strategies for zero waste*
- *Make it easy for cities to have access to public private partners funding models and government grant information*

11:20 – 11:50 am	**Track 4 Room 146A: Public WiFi/Broadband**

Smart Cities/Communities: San Leandro, CA, Schenectady, NY
Tony Batalla, IT Manager, City of San Leandro, CA
Jean Rice, Senior Broadband Program Specialist, NTIA

The GCTC Public Wi-Fi SuperCluster is focused on development of best practices for the deployment of high-speed, public Wi-Fi systems. As wireless internet connectivity has grown to become a critical part of our society, municipalities have discovered that wireless service in public spaces can be more than just a nice amenity; it can be a tool for economic development, a lever for tackling the digital divide and homework gap, and serve as core infrastructure in IoT networks, supporting smart city applications such as public safety, energy, lighting, transportation, and more. Yet, for all of its promise, the goals of deploying ubiquitous, public Wi-Fi connectivity and the building and sustaining a municipally-owned wireless system remain difficult to achieve. As a result, many municipalities have struggled to deploy and sustain these systems. The Public Wi-Fi SuperCluster will address these issues by analysis aimed at uncovering the best practices for successful deployments from municipalities themselves. These best practices will come in the form of interviews, workshops, and case studies covering four broad areas: technical design; financial, legal, and marketing; project management; and outcomes & use cases. By collecting, analyzing, and reporting this information in aggregate, the Public Wi-Fi SuperCluster aims to publish a blueprint for municipalities of any kind - whether large or small, urban or rural - to successfully deploy public Wi-Fi by learning from those who have done it already.

11:50 am – 12:20 pm	**City Data Platform/Dashboard**

Smart Cities/Communities: Kansas City, MO, Bellevue, WA
Bob Bennett, Chief Innovation Officer, City of Kansas City, Missouri

The cities of Kansas City, Missouri and Bellevue, Washington are teaming with 20 other cities and several corporate partners including Cisco and XAQT to lead the GCTC City Platform Super Cluster. We believe that the heart of a Smart City is data. We believe that technology can make a city cool, but data (its collection, analysis and integration into a decision support platform) makes it smart. We are seeking to discover the common set of things we all measure and understand how we can standardize that list. By agreeing on what we measure, all cities can then apply the data in a manner that allows each of us to address our unique challenges regardless of the size, governance or location of our municipality.

PARTNER WORKSHOPS

Monday, August 28, 2017 1:00 – 5:00 pm

1:00 – 2:00 pm	**US-Ignite** **Pathways to At-Scale Smart City/IoT Deployments** *Nick Maynard, Co-founder and Chief Strategy Officer, US-Ignite* *Bill Maguire, Program Manager/Consultant, US-Ignite* To date, the GCTC initiative has spurred Smart City/IoT partnerships in nearly 100 communities and has helped project participants plan, implement and pilot innovative projects. A next step is the evolution of the GCTC initiative is to support efforts to bring scale to Smart City/IoT deployments. US Ignite will present an overview of US Ignite's efforts to support at-scale Smart City deployments and will lead a roundtable discussion regarding the topic.
2:00 – 3:00 pm	**Metrolab Network** **Growing Role of City-University Partnerships in Advancing Urban Science** *Ben Levine, Executive Director, Metrolab Network* Metrolab's partner workshop at the GCTC Expo will discuss the growing role of city-university partnerships in advancing urban science and will also provide a preview of the upcoming MetroLab Network Annual Summit on September 13-14 in Atlanta GA. MetroLab Network is a national network of 40 city-university partnerships focused on urban innovation and will be hosting their Annual Summit in partnership with the City of Atlanta and Georgia Tech. The Summit will bring together leaders from local government, universities, industry and non-profit and is an opportunity to share, discuss, and present on the impact of data, analytics, and technology on local government.
3:00 – 4:00 pm	**European Commission (to be confirmed)** *Speakers TBD*
4:00 – 5:00 pm	**National Telecommunications and Information Administration (NTIA)/Broadband USA** **Funding Opportunities to Help Shape the Future of Smart Cities and Communities** *Mehan Jayasuriya, Program Manager, Mozilla* *Bob Bennett, Chief Innovation Officer, City of Kansas City, Missouri* *Meghan Houghton, Staff Associate, NSF's Directorate for Computer and Information Science and Engineering* *Jogchum Poodt, ConnectHome Manager, Office of Public Housing Investments,U.S. Department of Housing and Urban Development* *Jean Rice, Senior Broadband Program Specialist, BroadbandUSA/NTIA* Many cities embarking on smart city initiatives are leveraging partnerships and funding to improve the efficiency and effectiveness of their communities. This session will highlight opportunities for funding and partnerships including: the National Science Foundation's (NSF) sponsored Mozilla's $2 million Wireless Innovation for a Networked Society (WINS) Challenge that seeks practical, new wireless solutions to help connect people after a disaster or in areas without sufficient connectivity; the Department of Housing and Urban Development funding available for public Wi-Fi/smart cites projects in low income areas; NSF's grants to promote smart cities and networking innovation; and how partnerships can leverage city assets, university knowledge and private resources to enable a variety of innovative smart cities solutions as done in Kansas City, Mo.

Tuesday, August 29, 2017 1:00 – 5:00 pm

1:00 – 2:00 pm	**U.S. Department of Homeland Security** *Speakers TBD*

2:00 – 3:00 pm	**FIWARE** **Creation of Opportunities of Cooperation between North-American Cities and SMEs** *Jorge Alfonso Kurano, Project Manager, FIWARE/ Universidad Politecnica de Madrid* *Wilfred Pinfold, CEO, Urban Systems* *Lanfranco Marasso, Smart City Program Director, Engineering Ingegneria Informatica S.p.A.* *Andrea Cruciani, CEO, TeamDev* *Antonio Jara, CEO, HOP Ubiquitous* *Rui Costa, CEO, Ubiwhere* Mathieu Carlier, CEO, Everimpact The objective of the FIWARE workshop is the creation of opportunities of cooperation between the North-American cities and subject matter experts (SMEs) currently working on FIWARE-based solutions. With this workshop, we aim to create an open debate addressing the needs of the cities, and their short-term activities. The workshop will also create an opportunity for the SMEs to interact directly with the cities and try to find a common ground to start working together.
3:00 – 4:00 pm	**International Trade Administration** *Speakers TBD*
4:00 – 5:00 pm	**City Performance Indicators Research Group** **The Science of Measuring Cities** *Joshua Tan, Researcher, Oxford University* *Christine Kendrick, Smart Cities Project Manager, City of Portland, Oregon* *Abhishek Dubey, Assistant Professor, Vanderbilt University* How can we tell whether a city is sick or healthy? Whether it is rich or poor? Fair or unfair? Measuring a city requires that we ask hard questions not only about the data (yes, there's a lot of it) but also about the ways we think about that data: namely our models of cities. These models define and constrain our strategic priorities, enable policy reactions to data, and often circumscribe what we count as relevant and irrelevant information. In this session, we review one of the simplest examples of a model: key performance indicator frameworks, and discuss recent efforts by NIST and GCTC to build a science of measuring cities on top of these indicator frameworks.

PANEL AND ACTION CLUSTER SPEAKER LINEUP, TRACK 1: LOCATION MONDAY, AUGUST 28, 2017 1:00 – 5:30 pm	
1:00 -1:50 pm	**Data Governance/Exchange Super Cluster Launch Panel** **Smart Cities/Communities:** Kansas City, MO *Jason Whittet, Business Development Manager, AT&T* *Bob Bennett, CIO, City of Kansas City, MO* *Alex Huppenthal, CEO/Founder, Aspenworks* *Mark Dowd, Visiting Scholar, University of California, Berkeley* *Moderator: Dan Correa*
1:50 – 4:10 PM	**PUBLIC SAFETY ACTION CLUSTERS**
1:50 – 2:00 pm	**First Responders on the Grid: What Happens When we put First Responders on the Grid?** **Smart Cities/Communities:** Chicago, Illinois; Grand Rapids, Michigan; Detroit, Michigan *Speaker TBD*

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Walter E. Washington Convention Center • August 28-29, 2017

PANEL AND ACTION CLUSTER SPEAKER LINEUP, TRACK 1: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:30 pm

2:00 – 2:10 pm	**Real Time Resilience: Resilience Data Treatment Tools Towards Real Time Decision Making** **Smart Cities/Communities:** Genoa, Italy; Florence, Italy; Bari, Italy *Speaker TBD*
2:10 – 2:20 pm	**Clarity Amidst Chaos – How AI is Enhancing Emergency Preparedness** **Smart Cities/Communities:** San Francisco, California; Alameda County, California *Speaker TBD*
2:20 – 2:30 pm	**Serving the Underserved with IoT Solutions** **Smart Cities/Communities:** Las Vegas, Nevada *Speaker TBD*
2:30 – 2:40 pm	**Deployable Communications and Incident Command System for Emergency Response and Disaster Recovery** **Smart Cities/Communities:** Fire Department, Denton, Texas *Kamesh Namuduri, Professor of Electrical Engineering, University of North Texas*
2:40 – 2:50 pm	**Mobi Microgrids: Sustainable, Resilient, Mobile Power for Today's Challenges and Tomorrow's Disasters** **Smart Cities/Communities:** San Francisco, California *Speaker TBD*
2:50 – 3:00 pm	**NerveNet – Regional Resilient IoT Platform for Smart Cities and Towns** **Smart Cities/Communities:** Shirahama Town, Wakayama Prefecture, Japan; Shiojiri City, Nagano Prefecture, Japan; Onagawa Town, Miyagi Prefecture, Japan; Asakusa, Taito-ku, Tokyo, Japan; Cheung Prey Village, Khum Sampong Chey District, Kampong Cham Province, Cambodia *Masugi Inoue, Director, International Research Advancement Office, NICT (Japan)*
3:00 – 3:10 pm	**Smart Emergency Response System (SERS)** **Smart Cities/Communities:** NCTCOG EPD, Tarrant County Fire Service Training Center, Denton Fire Department, Austin Fire Department, Texas *Yan Wan, Professor, University of Texas, Arlington* *Shengli Fu, Professor, University of North Texas*
3:10 – 3:20 pm	**GEO Fencing Predictive Policing: Solutions to Reduce Response Times for First Responders and Provide Valid Data for Evidence** **Smart Cities/Communities:** Conover, North Carolina *Kimberly Calhoun, Founder/CEO, CAP Science Labs, Conover, NC*

PANEL AND ACTION CLUSTER SPEAKER LINEUP, TRACK 1: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:30 pm

3:20 – 3:30 pm	**CyberCity Education Platform: Functional Training and Practice** **Smart Cities/Communities:** Washington, District of Columbia; Loudoun County, Virginia; The Gramercy District, Montgomery County, Maryland *Jaroslav "Jarda" Flidr, Chief Architect for Cloud Computing, George Washington University* *Scott J. White, Director, Cyber Academy, George Washington University*
3:30 – 3:50 pm	**BREAK**
3:50 – 4:00 pm	**Galway Smart City: Light Pollution, Air Quality and Noise Monitoring Smart System - IoT Based** **Smart Cities/Communities:** Galway City, Ireland; Mayo; Sligo; Leitrim; Roscommon *Speaker TBD*
4:00 – 4:10 pm	**Community Traffic Guidance and Control System in Supporting Natural Disaster Emergency Response** **Smart Cities/Communities:** Taichung City, Taiwan *Ching-Teng Hsiao, Advisor and Chief Information Officer, Taichung City Government, Taiwan*
4:10 – 4:20 pm	**Safe Community Awareness and Alerting Network (SCALE)** **Smart Cities/Communities:** Montgomery County, MD; Gainesville, FL *Dennis Linders, Data and Performance Analyst (Service Delivery and Innovation), Office of the Montgomery County Executive (Maryland); Greg Toth, Director, IoT Dev Labs*
4:20 – 4:30 pm	**Advanced Flood Warning and Environmental Awareness System for the City of Rohnert Park (AFWEAR) – IoT Based** **Smart Cities/Communities:** Rohnert Park CA, Santa Rosa CA, Sonoma County CA *Darrin Jenkins, City Manager, City of Rohnert, CA* *Shivakumar Mathapathi, CTO, Dew Mobility*
4:30 – 5:00 pm	**OTHER ACTION CLUSTERS**
4:40 – 4:50 pm	**MAGIC Smart Home/Smart Community Project** **Smart Cities/Communities:** Westminster, Maryland *Robert Wack, President, MAGIC*
4:50 – 5:00 pm	**Taoyuan Mobile Citizen Card** **Smart Cities/Communities:** Taoyuan City, Taiwan *Wen-Cheng Wang, Chief PKI & IAM Product Manager, Data Communications Business Group, Chunghwa Telecom Co., Ltd.*
5:00 – 5:10 pm	**Smartphone-Based Technology that Connects Agencies with Private Contractors Allowing them to Assist during Snow Emergencies** **Smart Cities/Communities:** Montgomery County, Maryland *Speaker TBD*

PANEL AND ACTION CLUSTER SPEAKER LINEUP, TRACK 1: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:30 pm

5:10 – 5:20 pm	**SMART Emergency, Medical and First Response Multiteam Systems** **Smart Cities/Communities:** FairFax County, Virginia *Brenda Bannan, Associate Professor, George Mason University* *Hemant Purohit, Assistant Professor, George Mason University*
5:20 – 5:30 pm	**Next Generation, Resilient Warning Systems for Tornados and Flash Floods** **Smart Cities/Communities:** City of Midlothian, TX; City of Fort Wort, TX *Speaker, Title, Affiliation*

ACTION CLUSTER SPEAKER LINEUP, TRACK 2: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

1:00 – 4:20 PM	## TRANSPORTATION ACTION CLUSTERS
1:00 – 1:10 pm	**Utilizing Low Speed Electric Vehicles for First/Last Mile Solution : Increased Use of Public Transportation in Medium to Large Urban Areas** **Smart Cities/Communities:** St. Louis, Missouri *Kris Bailey, COO, Electric Cab North America* *Isa Reeb, Urgan Designer, Civitas*
1:10 – 1:20 pm	**Video Analytics for Orlando Special Events, Public Safety, Emergency Management and Traffic Situational Awareness** **Smart Cities/Communities:** Orlando, FL; Lynx Public Transit; Central Florida Expressway Authority; Florida Department of Transportation District V *Speaker TBD*
1:20 – 1:30 pm	**Smart Trip Las Vegas: Safer and Connected Transportation** **Smart Cities/Communities:** Las Vegas, Nevada (Regional Transportation Commission of Southern Nevada) *Joanna Wadsworth, Program Manager, City of Las Vegas* *Steve Crumb, Executive Director, GENIVI Alliance*
1:30 – 1:40 pm	**Smart and Accessible Transportation Hub** **Smart Cities/Communities:** New Jersey, Passaic County; New Jersey Transit; NYC Mayor's Office for People with Disabilities (MOPD); NY State Commission for the Blind (NYSCB) *Zhigang Zhu, Professor, The CUNY City College* *Jie Gong, Assistant Professor, Rutgers University* *Cecilia Feeley, Autism Transportation Manager, Rutgers University* *Jason Simmons, Principal Planner, NJ Passaic County Department of Planning & Economic Development* *Zheng Yi Wu, Bentley Fellow, Bentley*

ACTION CLUSTER SPEAKER LINEUP, TRACK 2: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

1:40 – 1:50 pm	**SmartShuttle: A Scalable and Replicable Architecture for Low Speed Automated Shuttles** **Smart Cities/Communities:** Columbus, Ohio; Greenville, South Carolina; Portland, Oregon; Boston, Massachusetts; Washington, District of Columbia *Speaker TBD*
1:50 – 2:00 pm	**Connected Intelligent Transportation** **Smart Cities/Communities:** Portland, Oregon; Porto, Portugal *Christine Kendrick, Air Quality Lead/Smart Cities Project Manager, City of Portland*
2:00 – 2:10 pm	**Smart Transit Hubs/ B'Smart Project** **Smart Cities/Communities:** Baltimore, Maryland *Jill Sorensen, Director, BEVI, Baltimore City, BGE, West Baltimore*
2:10 – 2:20 pm	**Integrated Analytics and Scheduling of Emergency Responders Under Uncertainty** **Smart Cities/Communities:** Nashville, Tennessee (Fire Department) *Rusty Lacy, Information Technology Manager, Nashville Fire Department* *Gautam Biswas, Professor, Vanderbilt University* *Eugene Vorobeychik, Assistant Professor, Vanderbilt University*
2:20 – 2:30 pm	**Busan Smart City: Smart Transportation Services Leveraging Smart City Infrastructure** **Smart Cities/Communities:** Busan Metropolitan City, South Korea *Young Chun, Senior Consultant, Deli-I*
2:30 – 2:40 pm	**User-Centered Heterogeneous Data Fusion for Multi-Networked City Mobility, UHDNetCity** **Smart Cities/Communities:** Tallahassee, Florida *Michael Ohlsen, Energy Manager, City of Tallahassee* *Ayberk Kocatepe, Graduate Assistant, Florida State University*
2:40 – 2:50 pm	**Carolinas Alliance 4 Innovation (Greenville A-Taxi Shuttles)** **Smart Cities/Communities:** Greenville, South Carolina *Fred Payne, Municipal Official, Greenville, NC*
2:50 – 3:00 pm	**Park DC** **Smart Cities/Communities:** Washington, District of Columbia *Stephanie Dock, Research Program Administrator, District Department of Transportation*
3:00 – 3:40 pm	**BREAK**
3:40 – 3:50 pm	**Open Data/API Platform and Analysis of Taxi Dispatch, The Intelligent Transportation System Applications in Kaohsiung City** **Smart Cities/Communities:** Kaohsiung City, Taiwan (Information Management Center, Transportation Bureau) *Sheng-Feng Hung, Head, Transportation Bureau, Kaohsiung City Government, Taiwan*

ACTION CLUSTER SPEAKER LINEUP, TRACK 2: LOCATION
MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

3:50 – 4:00 pm	**Social Computing Platform for Multi-Modal Transit (formerly Platform for Enabling Optimal Multi-Modal Transportation Planning Service)** **Smart Cities/Communities:** Nashville, Tennessee *Colleen Herndon, Project Manager, Nashville Metro ITS* *Abhishek Dubey, Assistant Professor, Vanderbilt University*
4:00 – 4:10 pm	**Final 50 Feet: Urban Goods Delivery System** **Smart Cities/Communities:** Seattle, Washington *Jude Willcher, Strategic Advisor, Seattle Department of Transportation* *Christopher Eaves, P.E., Senior Civil Engineering Specialist, Seattle Department of Transportation*
4:10 – 4:20 pm	**Illuminating Smart Cities: Kansas City Runs on IoT Platform** **Smart Cities/Communities:** Kansas City, Missouri *Bob Bennett, CIO, Kansas City, Missouri* *Sean Harrington, VP of City Solutions, Verizon* *Peter Shashkin, Director of Solutions, EastBanc Technologies* *Dominique Davison, Founder, CEO PlanIT Impact, Kansas City, MO*
4:20 – 5:00 pm	**FIWARE ACTION CLUSTERS**
4:20 – 4:30 pm	**FIWARE** **Smart Cities/Communities:** Multiple municipal members TBD *Speaker TBD*
4:30 – 4:40 pm	**EnvyPorto (FIWARE)** **Smart Cities/Communities:** Porto, Portugal *Speaker TBD*
4:40 – 4:50 pm	**Air Quality Monitoring in London (FIWARE)** **Smart Cities/Communities:** Greenwich Borough, UK *Speaker TBD*
4:50 – 5:00 pm	**WiseTown: Web Information Stream Enhancer City Dashboard (FIWARE)** **Smart Cities/Communities:** Perugia, Italy; Assisi, Italy *Speaker TBD*
5:00 – 5:20 pm	**OTHER ACTION CLUSTERS**
5:00 – 5:10 pm	**CIVIC: Data by the People, for the People** **Smart Cities/Communities:** Portland Oregon; Multnomah County, Oregon *Speaker TBD*
5:10 – 5:20 pm	**Personalized Dashboard for the Residents** **Smart Cities/Communities:** San Leandro, California *Speaker TBD*

ACTION CLUSTER SPEAKER LINEUP, TRACK 3: LOCATION
TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

1:00 -5:00 pm	UTILITIES (ENERGY, WATER & WASTE MANAGEMENT) ACTION CLUSTERS
1:00 – 1:10 pm	**Smart Waste Management & Logistics for Municipal Solid Waste Collection Operations** **Smart Cities/Communities:** Goyang City, Korea; Los Angeles California; San Diego, California, Hermosa Beach, California; Washington, District of Colombia *Speaker TBD*
1:10 – 1:20 pm	**SolGreen Evodia Solar Tables for City Outdoor Public Space Development** **Smart Cities/Communities:** Washington, District of Colombia; El Paso, Texas; Wayne County, Michigan; Detroit, Michigan *Matthew N. Portis, Founder, CEO, SolGreen ®Solutions Corp*
1:20 – 1:30 pm	**OpenGrid** **Smart Cities/Communities:** Chicago, IL *Danielle DuMerer, Chief Information Officer, City of Chicago, Illinois*
1:30 – 1:40 pm	**Recycling Bin Monitoring System and Optimization of Pick Up Schedules for City of Safety Harbor** **Smart Cities/Communities:** Safety Harbor, Florida *Piyush Patel, CEO, Kyra Solutions*
1:40 – 1:50 pm	**Calabar IoT-based Smart Waste Project** **Smart Cities/Communities:** Nigeria; Calabar, Calabar South, Ikom, Ogoja, Biase *Bernard Ewah, Consultant, National Information Technology Development Agency*
1:50 – 2:00 pm	**City Energy Resiliency and Sustainability** **Smart Cities/Communities:** San Leandro, California *Speaker TBD*
2:00 – 2:10 pm	**City of Pittsburgh Building-Secure, Real-Time Utility and Usage Data Integration and AI Analysis: Efficiency improvement recommendations using the BuildFit application** **Smart Cities/Communities:** Pittsburgh, Pennsylvania (Pittsburgh Water and Sewer Authority) *Speaker TBD*
2:10 – 2:20 pm	**Smart Car-Talk** **Smart Cities/Communities:** Daegu City, South Korea *Speaker TBD*
2:20 – 2:30 pm	**IoT based waste management system - Smart Garbage Monitoring System (SGMS)** **Smart Cities/Communities:** San Leandro, California *Speaker TBD*

ACTION CLUSTER SPEAKER LINEUP, TRACK 3: LOCATION
TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

2:30 – 2:40 pm	**Low-Cost Air Quality Monitoring: RAMPs in Pittsburgh** **Smart Cities/Communities:** Pittsburgh, Pennsylvania; Allegheny County, Pennsylvania *R. Subramanian, Research Scientist, Carnegie Mellon University*
2:40 – 2:50 pm	**Non-Revenue Water Monitoring and Reduction Using Advanced LTE Communications** **Smart Cities/Communities:** Gwinnett County, Georgia (Regional Water Authority) *Steven Seachrist, Asset Optimization Engineer, Gwinnet County Department of Water Resources* *Raja Kadiyala Global Practice Director for Intelligent Systems, CH2M*
2:50 – 3:00 pm	**IoT based Smart Energy Management System for Smart City** **Smart Cities/Communities:** Suwon City, Korea *Speaker TBD*
3:00 – 3:10 pm	**Underground Infrastructure Sensing and Mapping for Smart Maintenance, Sustainability, Usage and Resilience** **Smart Cities/Communities:** Vermont; Winooski, Burlington *Dryver Huston, Professor, University of Vermont*
3:10 – 3:20 pm	**Smart Replicable Solutions to Water-Energy Nexus Challenges** **Smart Cities/Communities:** Cleveland, Ohio *Sudhir Kshirsagar, President/Ceo, Global Quality Corporation* *Bryan Stubbs, Executive Director, Cleveland Water Alliance* *Elkin Hernandez, Manager of Process Control, DC Water*
3:20 – 3:40 pm	**BREAK**
3:40 – 3:50 pm	**Water Application Management (WAM pronounced Wham): "A Smart Technology Solution" to a Complex Problem** **Smart Cities/Communities:** Fontana, California *Speaker TBD*
3:50 – 4:00 pm	**Unraveling the Intersection of Incarceration, Homelessness, and Mental Health** **Smart Cities/Communities:** Washoe County, Nevada; Wake County, North Carolina; City of Reno, Nevada *Speaker TBD*
4:00 – 4:10 pm	**StormSense (Public Safety)** **Smart Cities/Communities:** Newport News, Virginia; Virginia Beach, Virginia; Norfolk, Virginia; Hampton, Virginia; Portsmouth, Virginia; Chesapeake, Virginia; Williamsburg, York County, Virginia *Speaker TBD*
4:10 – 4:20 pm	**Leveraging Existing Automated Meter Reading for a Smart Alert Response Technology** **Smart Cities/Communities:** Houston, Texas *Jason Iken, P.E. , Senior Assistant Director, City of Houston Wastewater Operations* *Mark Serres, Chief Technology Officer, Utility Systems Science & Software*

	ACTION CLUSTER SPEAKER LINEUP, TRACK 3: LOCATION **TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm**
4:20 – 4:30 pm	**SmartCU - Covenant University Smart City** **Smart Cities/Communities:** Ado-Odo/Ota Local Government, Nigeria *Speaker TBD*
4:30 – 4:40 pm	**Flood Judge** **Smart Cities/Communities:** Ross Valley, California *Vijay Sammeta, CEO, Civic Foundary*
4:40 – 4:50 pm	**Low Carbon Island and Smart Bay Project** **Smart Cities/Communities:** Penghu County, Taiwan *Speaker TBD*
4:50 – 5:00 pm	**Tech-Secure City** **Smart Cities/Communities:** New Taipei City, Taiwan *Speaker TBD*

	ACTION CLUSTER SPEAKER LINEUP, TRACK 4: LOCATION **TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm**
1:00 – 5:00 PM	**PUBLIC WIFI/BROADBAND AND CITY DATA PLATFORM/DASHBOARD ACTION CLUSTERS**
1:00 – 1:10 pm	**CITYDASH: City-wide Analytics Dashboard from Public and Private Data Sources** **Smart Cities/Communities:** San Leandro, California *Speaker TBD*
1:10 – 1:20 pm	**Public Wi-Fi Roaming, Security and Ease of Use (Bay Area Unified Wi-Fi – Regional Public Wi-Fi System)** **Smart Cities/Communities:** California; San Leandro, San Mateo County *Speaker TBD*
1:20 – 1:30 pm	**BigClouT: Big Data Meets Cloud of Things to Improve Quality of Experience of Citizens and Visitors** **Smart Cities/Communities:** Grenoble, France; Fujisawa, Japan; Bristol, UK; Tsukba, Japan *Speaker TBD*
1:30 – 1:40 pm	**Improving Cross Departmental Communications, Operational Efficiencies and Customer Interaction: Smart Cities Dashboard in the City of Bellevue, Washington** **Smart Cities/Communities:** Bellevue, Washington *Brian Pugliese, Smart Water Infrastructure & Technology Project Manager, City of Bellevue* *Ken Thompson, Global Practice Leader for Smart Cities and Smart Sensors, CH2M*

ACTION CLUSTER SPEAKER LINEUP, TRACK 4: LOCATION
TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

1:40 – 1:50 pm	**Special Session: Smart Agriculture and Smart Rural Communities Super Cluster Preview** **Smart Cities/Communities:** Super Cluster Preview *Jean Rice, Senior Broadband Program Specialist, NTIA*
1:50 – 2:00 pm	**Applying Open Data to Inform Future Smart City Design** **Smart Cities/Communities:** Kansas City, Missouri *Speaker TBD*
2:00 – 2:10 pm	**City Platform Dashboard** **Smart Cities/Communities:** Kansas City, Missouri *Speaker TBD*
2:10 – 2:20 pm	**Saitama Smart Town: Smart Community Information Platform for Providing Future Town Services** **Smart Cities/Communities:** Saitama, Japan *Hiroaki Nishi, Professor/Chairperson, Keio University/Misono Town Management Association, Inc.*
2:20 – 2:30 pm	**Connecting Communities with Public Wi-Fi, Technology and Tourism Mobile Applications** **Smart Cities/Communities:** Schenectady, New York *Speaker TBD*
2:30 – 2:40 pm	**Open Platform for Scalable and Multi-Domain IoT Applications for Smart Cities (formerly Prevention of Environmental Disasters in the City through Data Mining)** **Smart Cities/Communities: Italy;** Genoa Municipality, Milan Municipality, Torino Municipality *Speaker TBD*
2:40 – 3:00 pm	**BREAK**
3:00 – 3:10 pm	**ROSE - Real Time Operational Smart Grid for Europe** **Smart Cities/Communities:** Genova, Italy *Speaker TBD*
3:10 – 3:20 pm	**Taoyuan City Water Resources Information System** **Smart Cities/Communities:** Taoyuan City, Taiwan (Department of Water Resources) *Su, Tzu Han, Officer, Department of Water Resources, Taoyuan City*
3:50 – 4:00 pm	**Environmental Sensing Across the Metro DC Region (formerly PA2040 Environmental Sensing)** **Smart Cities/Communities:** Washington, District of Columbia *Gregory Toth, Director, IoT Dev Labs*
4:00 – 4:10 pm	**PowerMatcher Blockchain Action Cluster in the Philippines** **Smart Cities/Communities:** Manila, Philippines *Speaker TBD*

ACTION CLUSTER SPEAKER LINEUP, TRACK 4: LOCATION
TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

4:10 – 4:20 pm	**PA2040 Public Wi-Fi** **Smart Cities/Communities:** Washington, District of Columbia *Speaker TBD*
4:20 – 4:30 pm	**Taipei Smart City Living Lab – Government as a Platform** **Smart Cities/Communities:** Taipei City, Taiwan (Department of Information Technology) *Speaker TBD*
4:30 – 4:40 pm	**An Open Architecture IoT Platform for a Sustainable Smart City** **Smart Cities/Communities:** Arlington County, Virginia; City of Alexandria, Virginia *John Morrill, Energy Manager, Arlington County, VA* *Saifur Rahman, Founder and CEO, BEM Controls*
4:40 – 4:50 pm	**City Insight Platform – Communities in Context** **Smart Cities/Communities:** City of New York, NY *Speaker TBD*
4:50 – 5:00 pm	