

# Global City Teams Challenge EXPO

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

## Preliminary Agenda

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

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

9:00 am	<b>Opening Remarks</b> <i>TBD – National Institute of Standards and Technology</i>
9:10 am	<b>Federal Keynotes</b> <i>TBD – U.S. Department of Commerce (DOC)</i> <i>Erwin P. Gianchandani, Deputy Assistant Director, National Science Foundation</i> <i>TBD – U.S. Department of Homeland Security or U.S. Department of Transportation</i>
10:00 am	<b>Mayor Keynotes Panel</b> <i>Pauline Cutter, Mayor, City of San Leandro, California</i> <i>Gary McCarthy, Mayor, City of Schenectady, New York</i> <i>Acquanetta Warren, Mayor, City of Fontana, California</i> <i>Roy Buol, Mayor, City of Dubuque, Iowa</i> <i>Moderator: Judy Reinke, Career Minister, U.S. &amp; Foreign Commercial Service, U.S. DOC</i>
11:00 am	<b>International Mayor Keynote</b> <i>Hayato Shimizu, Mayor, City of Saitama, Japan</i>
11:10 am	<b>Super Cluster Presentations</b> <i><u>Public Safety</u>: Michael Dunaway, Director, NIMSAT, University of Louisiana at Lafayette;</i> <i>Archana Vemulapalli, Chief Technology Officer, Washington DC; Dean Skidmore (more speakers TBD)</i> <i><u>Transportation</u>: Wilf Pinfold, CEO, Urban Systems; Skip Newberry, President and CEO, Technology Associates of Oregon (more speakers TBD)</i>

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

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

### PARALLEL SESSIONS

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

**\*See Speaker Lineup for Tracks 1 and 2 following the agenda. Timing subject to change.**

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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	<b>Opening Remarks</b> <i>Chris Greer, Director, Smart Grid and Cyber-Physical Systems Program, National Institute of Standards and Technology</i>
9:10 am	<b>Federal Keynote</b> <i>The Department of Homeland Security (DHS)/Global City Team Challenge Partnership: Doug Maughan, Director, Cyber Security Division, Science and Technology Directorate, DHS</i>
9:20 am	<b>Federal Smart City and Community Task Force Panel</b> <i>Ken Leonard, Director, Intelligent Transportation Systems Joint Program Office, U.S. Department of Transportation</i> <i>Ken Calvert, Director, CISE Division of Computer and Network Systems (CNS), National Science Foundation</i> <i>Meghan Houghton, Staff Associate, National Science Foundation</i> <i>Chris Greer, Director, Smart Grid and Cyber-Physical Systems Program, National Institute of Standards and Technology</i>
10:10 am	<b>International Perspectives</b> <i>Hideyuki Tokuda, President, National Institute of Information and Communications Technology, Japan</i> <i>Ming-Teh Wang, Deputy Mayor, City of Taoyuan, Taiwan</i>
10:30 am	<b>Partner Program Announcements</b> <i>David McCann, Vice President, AWS Marketplace, Amazon</i> <i>FIWARE - TBD</i>
10:50 am	<b>Super Cluster Presentations*</b> <i>Utilities – Energy, Water &amp; 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, Kreg Christoff, Vice President, Motorola Solutions</i> <i>Public WiFi/Broadband: Tony Batalla, IT Manager, City of San Leandro, CA; Jean Rice, Senior Broadband Program Specialist, NTIA (more speakers TBD)</i> <i>City Data Platform/Dashboard: Bob Bennett, Chief Innovation Officer, City of Kansas City, Missouri (more speakers TBD)</i>

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
<b>Utilities (Energy, Water &amp; Waste Management)</b> <i>Action Clusters present on their projects for smart cities</i>	<b>Public WiFi/Broadband City Data Platform/ Dashboard</b> <i>Action Clusters present on their projects for smart cities</i>	<b>DHS (1:00 – 2:00 pm)</b> <b>FIWARE (2:00 – 3:00 pm)</b> <b>ITA (3:00 – 4:00 pm)</b> <b>City Key Performance Indicators Research Group (4:00 – 5:00 pm)</b>

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## SUPER CLUSTER SPEAKER LINEUP

MONDAY, AUGUST 28, 2017 11:10 am – 12:10 pm

11:10 –  
11:40 am

### 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*

*(additional speakers TBD)*

*The Public Safety Super Cluster (PSSC) of the US Ignite-sponsored 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

### 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*

*(additional speakers TBD)*

*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.*



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

10:50 –  
11:20 am

### 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*

*Kreg Christoff, Vice President, Motorola Solutions*

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

### 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*

*(additional speakers TBD)*

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 to protect human life, maintain community functions and infrastructure, and ensure public safety. 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 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.

11:50 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*

*(additional speakers TBD)*

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.

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## PARTNER WORKSHOPS: ROOM 147B

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

1:00 – 2:00 pm	<b>US-Ignite</b> <b>Pathways to At-Scale Smart City/IoT Deployments</b> <i>Nick Maynard, Co-founder and Chief Strategy Officer, US-Ignite</i> <i>Bill Maguire, Program Manager/Consultant, US-Ignite</i> <p>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.</p>
2:00 – 3:00 pm	<b>Metrolab Network</b> <b>Growing Role of City-University Partnerships in Advancing Urban Science</b> <i>Ben Levine, Executive Director, Metrolab Network</i> <p>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.</p>
3:00 – 4:00 pm	<b>European Commission (to be confirmed)</b> <i>Speakers TBD</i>
4:00 – 5:00 pm	<b>National Telecommunications and Information Administration (NTIA)</b> <i>Speakers TBD</i>

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

1:00 – 2:00 pm	<b>U.S. Department of Homeland Security</b> <i>Speakers TBD</i>
2:00 – 3:00 pm	<b>FIWARE</b> <b>Creation of Opportunities of Cooperation between North-American Cities and SMEs</b> <i>Jorge Alfonso Kurano, Project Manager, FIWARE/ Universidad Politecnica de Madrid</i> <i>Wilfred Pinfold, CEO, Urban Systems</i> <i>Lanfranco Marasso, Smart City Program Director, Engineering Ingegneria Informatica S.p.A.</i> <i>Andrea Cruciani, CEO, TeamDev</i> <i>Antonio Jara, CEO, HOP Ubiquitous</i> <i>Rui Costa, CEO, Ubiwhere</i> <i>Mathieu Carlier, CEO, Everimpact</i> <p>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.</p>
3:00 – 4:00 pm	<b>International Trade Administration</b> <i>Speakers TBD</i>
4:00 – 5:00 pm	<b>City Key Performance Indicators Research Group</b> <i>Joshua Tan, Researcher, Oxford University</i> <i>Christine Kendrick, Smart Cities Project Manager, City of Portland, Oregon</i>

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## PANEL AND ACTION CLUSTER SPEAKER LINEUP, TRACK 1: ROOM 146C

MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

1:00 -1:50  
pm

### Data Governance/Exchange Super Cluster Launch Panel

#### Smart Cities/Communities:

*Panelist, Title, Affiliation*

*Panelist, Title, Affiliation*

*Panelist, Title, Affiliation*

*Panelist, Title, Affiliation*

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, Title, Affiliation*

*Speaker, Title*

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, Title, Affiliation*

*Speaker, Title*

2:10 –  
2:20 pm

#### Clarity Amidst Chaos – How AI is Enhancing Emergency Preparedness

**Smart Cities/Communities:** San Francisco, California; Alameda County, California

*Speaker, Title, Affiliation*

*Speaker, Title*

2:20 –  
2:30 pm

#### Serving the Underserved with IoT Solutions

**Smart Cities/Communities:** Las Vegas, Nevada

*Speaker, Title, Affiliation*

*Speaker, Title*

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, Title, Affiliation*



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2:50 – 3:00 pm	<b>NerveNet – Regional Resilient IoT Platform for Smart Cities and Towns</b>  <b>Smart Cities/Communities:</b> 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 <i>Speaker, Title, Affiliation</i>
3:00 – 3:10 pm	<b>Smart Emergency Response System (SERS)</b>  <b>Smart Cities/Communities:</b> NCTCOG EPD, Tarrant County Fire Service Training Center, Denton Fire Department, Austin Fire Department, Texas <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:10 – 3:20 pm	<b>GEO Fencing Predictive Policing: Solutions to Reduce Response Times for First Responders and Provide Valid Data for Evidence</b>  <b>Smart Cities/Communities:</b> Conover, North Carolina <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:20 – 3:30 pm	<b>CyberCity Education Platform: Functional Training and Practice</b>  <b>Smart Cities/Communities:</b> Washington, District of Columbia; Loudoun County, Virginia; The Gramercy District, Montgomery County, Maryland <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:30 – 3:50 pm	<b>BREAK</b>
3:50 – 4:00 pm	<b>Galway Smart City: Light Pollution, Air Quality and Noise Monitoring Smart System - IoT Based</b>  <b>Smart Cities/Communities:</b> Galway City, Ireland; Mayo; Sligo; Leitrim; Roscommon <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:00 – 4:10 pm	<b>Community Traffic Guidance and Control System in Supporting Natural Disaster Emergency Response</b>  <b>Smart Cities/Communities:</b> Taichung City, Taiwan <i>Speaker, Title, Affiliation</i>
4:10 – 4:20 pm	<b>Safe Community Awareness and Alerting Network (SCALE)</b>  <b>Smart Cities/Communities:</b> Montgomery County, MD; Gainesville, FL <i>Speaker, Title, Affiliation</i>
4:20 – 4:30 pm	<b>TBD</b>

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4:30 – 5:00 pm	<b>OTHER ACTION CLUSTERS</b>
4:40 – 4:50 pm	<b>MAGIC Smart Home/Smart Community Project</b> <b>Smart Cities/Communities:</b> Westminster, Maryland <i>Robert Wack, President, MAGIC</i>
4:50 – 5:00 pm	<b>Taoyuan Mobile Citizen Card</b> <b>Smart Cities/Communities:</b> Taoyuan City, Taiwan <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>

## ACTION CLUSTER SPEAKER LINEUP, TRACK 2: ROOM 146A

MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

1:00 – 4:20 PM	<b>TRANSPORTATION ACTION CLUSTERS</b>
1:00 – 1:10 pm	<b>Utilizing Low Speed Electric Vehicles for First/Last Mile Solution : Increased Use of Public Transportation in Medium to Large Urban Areas</b> <b>Smart Cities/Communities:</b> St. Louis, Missouri <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:10 – 1:20 pm	<b>La Marsa Community Connected City: Smart Road Lighting and Traffic Management and Smart Waste Collection</b> <b>Smart Cities/Communities:</b> La Marsa Community, GIS Department, Tunisia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
1:20 – 1:30 pm	<b>GENIVI - Las Vegas Connected Vehicle Pilot Project</b> <b>Smart Cities/Communities:</b> Las Vegas, Nevada (Regional Transportation Commission of Southern Nevada) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
1:30 – 1:40 pm	<b>Smart and Accessible Transportation Hub</b> <b>Smart Cities/Communities:</b> New Jersey, Passaic County; New Jersey Transit; NYC Mayor's Office for People with Disabilities (MOPD); NY State Commission for the Blind (NYSCB) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>



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## ACTION CLUSTER SPEAKER LINEUP, TRACK 2: ROOM 146A

MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

1:40 – 1:50 pm	<b>SmartShuttle: A Scalable and Replicable Architecture for Low Speed Automated Shuttles</b>  <b>Smart Cities/Communities:</b> Columbus, Ohio; Greenville, South Carolina; Portland, Oregon; Boston, Massachusetts; Washington, District of Columbia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
1:50 – 2:00 pm	<b>Connected Intelligent Transportation</b>  <b>Smart Cities/Communities:</b> Portland, Oregon; Porto, Portugal <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:00 – 2:10 pm	<b>Smart Transit Hubs/ B'Smart</b>  <b>Smart Cities/Communities:</b> Baltimore, Maryland <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:10 – 2:20 pm	<b>Integrated Analytics and Scheduling of Emergency Responders Under Uncertainty</b>  <b>Smart Cities/Communities:</b> Nashville, Tennessee (Fire Department) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:20 – 2:30 pm	<b>Busan Smart City: Safe School Zone (OneM2M Platform Based)</b>  <b>Smart Cities/Communities:</b> Busan, South Korea <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:30 – 2:40 pm	<b>User-Centered Heterogeneous Data Fusion for Multi-Networked City Mobility, UHDNetCity</b>  <b>Smart Cities/Communities:</b> Tallahassee, Florida <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:40 – 2:50 pm	<b>Carolinas Alliance 4 Innovation (Greenville A-Taxi Shuttles)</b>  <b>Smart Cities/Communities:</b> Greenville, South Carolina <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
2:50 – 3:00 pm	<b>Park DC</b>  <b>Smart Cities/Communities:</b> Washington, District of Columbia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:00 – 3:40 pm	<b>BREAK</b>

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## ACTION CLUSTER SPEAKER LINEUP, TRACK 2: ROOM 146A

MONDAY, AUGUST 28, 2017 1:00 – 5:00 pm

3:40 – 3:50 pm	<b>Open Data/API Platform and Analysis of Taxi Dispatch, The Intelligent Transportation System Applications in Kaohsiung City</b>  <b>Smart Cities/Communities:</b> Kaohsiung City, Taiwan (Information Management Center, Transportation Bureau) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:50 – 4:00 pm	<b>Social Computing Platform for Multi-Modal Transit (formerly Platform for Enabling Optimal Multi-Modal Transportation Planning Service)</b>  <b>Smart Cities/Communities:</b> Nashville, Tennessee <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:00 – 4:10 pm	<b>Final 50 Feet: Urban Goods Delivery System</b>  <b>Smart Cities/Communities:</b> Seattle, Washington <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:10 – 4:20 pm	<b>TBD</b>
4:20 – 5:00 pm	<b>FIWARE ACTION CLUSTERS</b>
4:20 – 4:30 pm	<b>FIWARE</b>  <b>Smart Cities/Communities:</b> Multiple municipal members TBD <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:30 – 4:40 pm	<b>EnvyPorto (FIWARE)</b>  <b>Smart Cities/Communities:</b> Porto, Portugal <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:40 – 4:50 pm	<b>Air Quality Monitoring in London (FIWARE)</b>  <b>Smart Cities/Communities:</b> Greenwich Borough, UK <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:50 – 5:00 pm	<b>WiseTown: Web Information Stream Enhancer City Dashboard (FIWARE)</b>  <b>Smart Cities/Communities:</b> Perugia, Italy; Assisi, Italy <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>

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## ACTION CLUSTER SPEAKER LINEUP, TRACK 3: ROOM 146C

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	<b>Smart Waste Management &amp; Logistics for Municipal Solid Waste Collection Operations</b> <b>Smart Cities/Communities:</b> Goyang City, Korea; Los Angeles California; San Diego, California, Hermosa Beach, California; Washington, District of Colombia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:10 – 1:20 pm	<b>SolGreen Evodia Solar Tables for City Outdoor Public Space Development</b> <b>Smart Cities/Communities:</b> Washington, District of Colombia; El Paso, Texas; Wayne County, Michigan; Detroit, Michigan <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:20 – 1:30 pm	<b>Piloting Lighting Infrastructure as a Service Platform for Smart Lighting Solutions and Other Innovative, User-Oriented Services in Urban Environments</b> <b>Smart Cities/Communities:</b> Helsinki, Lahti, Oulu, Raahe, Salo, Tampere and Turku, Finland <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:30 – 1:40 pm	<b>Recycling Bin Monitoring System and Optimization of Pick Up Schedules for City of Safety Harbor</b> <b>Smart Cities/Communities:</b> Safety Harbor, Florida <i>Piyush Patel, CEO, Kyra Solutions</i>
1:40 – 1:50 pm	<b>Calabar IoT-based Smart Waste Project</b> <b>Smart Cities/Communities:</b> Nigeria; Calabar, Calabar South, Ikom, Ogoja, Biase <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:50 – 2:00 pm	<b>City Energy Resiliency and Sustainability</b> <b>Smart Cities/Communities:</b> San Leandro, California <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:00 – 2:10 pm	<b>City of Pittsburgh Building-Secure, Real-Time Utility and Usage Data Integration and AI Analysis: Efficiency improvement recommendations using the BuildFit application</b> <b>Smart Cities/Communities:</b> Pittsburgh, Pennsylvania (Pittsburgh Water and Sewer Authority) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>



# Global City Teams Challenge EXPO

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## ACTION CLUSTER SPEAKER LINEUP, TRACK 3: ROOM 146C

TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

2:10 – 2:20 pm	<b>Oil &amp; Gas Well-Produced Water Localized Treatment and Recycle</b>  <b>Smart Cities/Communities:</b> Coudersport Borough, Pennsylvania; Eulalia Township, Pennsylvania (Coudersport Area Municipal Authority) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:20 – 2:30 pm	<b>IoT based waste management system - Smart Garbage Monitoring System (SGMS)</b>  <b>Smart Cities/Communities:</b> San Leandro, California <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:30 – 2:40 pm	<b>Deploying Real-Time, Multi-Pollutant Sensors (RAMP) in East Liberty</b>  <b>Smart Cities/Communities:</b> Pittsburgh, Pennsylvania; Allegheny County, Pennsylvania <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:40 – 2:50 pm	<b>Non-Revenue Water Monitoring and Reduction Using Advanced LTE Communications</b>  <b>Smart Cities/Communities:</b> Gwinnett County, Georgia (Regional Water Authority) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:50 – 3:00 pm	<b>IoT based Smart Energy Management System for Smart City</b>  <b>Smart Cities/Communities:</b> Suwon City, Korea <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:00 – 3:10 pm	<b>Underground Infrastructure Sensing and Mapping for Smart Maintenance, Sustainability, Usage and Resilience</b>  <b>Smart Cities/Communities:</b> Vermont; Winooski, Burlington <i>Dryver Huston, Professor, University of Vermont</i>
3:10 – 3:20 pm	<b>Smart Replicable Solutions to Water-Energy Nexus Challenges</b>  <b>Smart Cities/Communities:</b> Cleveland, Ohio <i>Speaker, Title, Affiliation</i>
3:20 – 3:40 pm	<b>BREAK</b>
3:40 – 3:50 pm	<b>Water Application Management (WAM pronounced Wham): "A Smart Technology Solution" to a Complex Problem</b>  <b>Smart Cities/Communities:</b> Fontana, California <i>Speaker, Title, Affiliation</i>

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TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

3:50 – 4:00 pm	<b>Unraveling the Intersection of Incarceration, Homelessness, and Mental Health</b> <b>Smart Cities/Communities:</b> Washoe County, Nevada; Wake County, North Carolina; City of Reno, Nevada <i>Speaker, Title, Affiliation</i>
4:00 – 4:10 pm	<b>StormSense (Public Safety)</b> <b>Smart Cities/Communities:</b> Newport News, Virginia; Virginia Beach, Virginia; Norfolk, Virginia; Hampton, Virginia; Portsmouth, Virginia; Chesapeake, Virginia; Williamsburg, York County, Virginia <i>Speaker, Title, Affiliation</i>
4:10 – 4:20 pm	<b>Leveraging Existing Automated Meter Reading for a Smart Alert Response Technology</b> <b>Smart Cities/Communities:</b> Houston, Texas <i>Speaker, Title, Affiliation</i>
4:20 – 4:30 pm	
4:30 – 4:40 pm	
4:40 – 4:50 pm	
4:50 – 5:00 pm	

## ACTION CLUSTER SPEAKER LINEUP, TRACK 4: ROOM 146A

TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

1:00 – 5:00 PM	<b>PUBLIC WIFI/BROADBAND AND CITY DATA PLATFORM/DASHBOARD ACTION CLUSTERS</b>
1:00 – 1:10 pm	<b>CITYDASH: City-wide Analytics Dashboard from Public and Private Data Sources</b> <b>Smart Cities/Communities:</b> San Leandro, California <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:10 – 1:20 pm	<b>Public Wi-Fi Roaming, Security and Ease of Use (Bay Area Unified Wi-Fi – Regional Public Wi-Fi System)</b> <b>Smart Cities/Communities:</b> California; San Leandro, San Mateo County <i>Speaker, Title, Affiliation</i>
1:20 – 1:30 pm	<b>BigCloudT: Big Data Meets Cloud of Things to Improve Quality of Experience of Citizens and Visitors</b> <b>Smart Cities/Communities:</b> Grenoble, France; Fujisawa, Japan; Bristol, UK; Tsukuba, Japan <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>

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## ACTION CLUSTER SPEAKER LINEUP, TRACK 4: ROOM 146A

TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

1:30 – 1:40 pm	<b>Improving Cross Departmental Communications, Operational Efficiencies and Customer Interaction: Smart Cities Dashboard in the City of Bellevue, Washington</b>  <b>Smart Cities/Communities:</b> Bellevue, Washington <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
1:40 – 1:50 pm	<b>Illuminating Smart Cities: Kansas City Runs on IoT Platform</b>  <b>Smart Cities/Communities:</b> Kansas City, Missouri <i>Bob Bennett, CIO, Kansas City, Missouri</i> <i>Sean Harrington, VP of City Solutions, Verizon</i>
1:50 – 2:00 pm	<b>Applying Open Data to Inform Future Smart City Design</b>  <b>Smart Cities/Communities:</b> Kansas City, Missouri <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:00 – 2:10 pm	<b>City Platform Dashboard</b>  <b>Smart Cities/Communities:</b> Kansas City, Missouri <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:10 – 2:20 pm	<b>Saitama Smart Town: Smart Community Information Platform for Providing Future Town Services</b>  <b>Smart Cities/Communities:</b> Saitama, Japan <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:20 – 2:30 pm	<b>Connecting Communities with Public Wi-Fi, Technology and Tourism Mobile Applications</b>  <b>Smart Cities/Communities:</b> Schenectady, New York <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:30 – 2:40 pm	<b>Open Platform for Scalable and Multi-Domain IoT Applications for Smart Cities (formerly Prevention of Environmental Disasters in the City through Data Mining)</b>  <b>Smart Cities/Communities:</b> Italy; Genoa Municipality, Milan Municipality, Torino Municipality <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
2:40 – 3:00 pm	<b>BREAK</b>
3:00 – 3:10 pm	<b>ROSE - Real Time Operational Smart Grid for Europe</b>  <b>Smart Cities/Communities:</b> Genova, Italy <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>



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TUESDAY, AUGUST 29, 2017 1:00 – 5:00 pm

3:10 – 3:20 pm	<b>Taoyuan City Water Resources Information System</b>  <b>Smart Cities/Communities:</b> Taoyuan City, Taiwan (Department of Water Resources) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
3:50 – 4:00 pm	<b>PA2040 Environmental Sensing</b>  <b>Smart Cities/Communities:</b> Washington, District of Columbia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
4:00 – 4:10 pm	<b>PowerMatcher Blockchain Action Cluster in the Philippines</b>  <b>Smart Cities/Communities:</b> Manila, Philippines <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
4:10 – 4:20 pm	<b>PA2040 Public Wi-Fi</b>  <b>Smart Cities/Communities:</b> Washington, District of Columbia <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:20 – 4:30 pm	<b>Taipei Smart City Living Lab – Government as a Platform</b>  <b>Smart Cities/Communities:</b> Taipei City, Taiwan (Department of Information Technology) <i>Speaker, Title, Affiliation</i> <i>Speaker, Title</i>
4:30 – 4:40 pm	<b>Smart E-Office System</b>  <b>Smart Cities/Communities:</b> Addis Ababa city, Ethiopia; Seoul, South Korea <i>Speaker, Title, Affiliation</i> <i>Speaker, Title, Affiliation</i>
4:40 – 4:50 pm	<b>OpenGrid</b>  <b>Smart Cities/Communities:</b> Chicago, IL <i>Speaker, Title, Affiliation</i>
4:50 – 5:00 pm	<b>TBD</b>