GLOBAL CITY TEAMS CHALLENGE

Smart and Secure Cities and Communities Challenge EXPO

PROGRAM GUIDE

JULY 11-12, 2019

Walter E. Washington Convention Center, Washington, DC

Co-Hosted by:

National Institute of Standards and Technology · Homeland Security Science and Technology · NTIA

With U.S. Federal Government Partners:

Department of Commerce United States of America · International TRADE ADMINISTRATION · United States of America Department of State · NASA · HRSA Health Resources & Services Administration · UNITED STATES POSTAL SERVICE

In Partnership With:

TECHNOLOGY ASSOCIATION OF OREGON · JointVenture SILICON VALLEY · rsci regional smart cities initiative · TIA · FIWARE · WeGO World Smart Sustainable Cities Organization · NARC Building Regional Communities · EastWest INSTITUTE · Adaptable SECURITY

Agenda

DAY 0: WEDNESDAY, JULY 10, 2019

2:00 pm–7:00 pm	**Exhibitor Move In**
9:00 am–5:00 pm	**Pre-conference Workshops hosted by Partners** *(FIWARE workshop is open to public Register Here)*

DAY 1: THURSDAY, JULY 11, 2019 - Registration 8:00 am – 5:00 pm

9:00–11:00 AM	**Opening Plenary Session**	**ROOM 151AB (Overflow Rooms 150B, 152A)**

9:00 AM	**Welcome** **Chris Greer**, Director, Smart Grid and Cyber-Physical Systems Office, National Institute of Standards and Technology (NIST)
9:05 AM	**Keynote** **Diane Rinaldo**, Assistant Secretary, National Telecommunications and Information Administration (NTIA), Department of Commerce (Acting)
9:20 AM	**Special Remarks** **Brendan Boyle,** Congressman (PA-02), U.S. House of Representatives
9:30 AM	**Smart Regions Panel Discussion** **Lily Mei**, Mayor, City of Fremont, California, USA **Leslie Wollack**, Executive Director, National Association of Regional Councils (NARC) **Jack McDougle,** President and CEO, Greater Washington Board of Trade **Zack Huhn**, Chairman, Smart Regions Initiatives (Moderator)
10:00 AM	**Special Remarks** (Introduced by Gary McCarthy, Mayor, City of Schenectady, New York, USA) **Paul Tonko**, Congressman (NY-20), U.S. House of Representatives
10:10 AM	**International Perspectives Keynotes** **Wen-Tsan Cheng,** Mayor, City of Taoyuan, Taiwan **Bernard Dy**, Mayor, City of Cauayan, Philippines **Ulrich Ahle**, CEO, FIWARE Foundation
10:40 AM	**Super Cluster Lightning Introduction**
11:00 AM	**Move to Breakout Sessions**

PARALLEL BREAKOUT SESSIONS* (Theme allocation and timing subject to change.)

	Session 1 ROOM 150A	Session 2 ROOM 152A	Session 3 ROOM 150B	Session 4 ROOM 156	Session 5* Room 151A	Session 6* Room 151B
TRACK 1 11:10 AM – 12:30 PM	**Transportation Super Cluster**	**Public Safety Super Cluster**	**Smart Regions Collaborative**	**Data Super Cluster**	**Wireless Super Cluster**	**Cybersecurity & Privacy Committee**
TRACK 2* 12:30 – 1:30 PM	**5G Reality Check: Deployment, Safety, Security**	**Healthcare** (by Health Resources & Services Administration/ HRSA)	**Smart States** (by National Governors Association)	**Data Super Cluster** (Extended)	**Knowledge/ Technology Platform**	**Inclusivity & Privacy** (by NTIA)
PANEL 1:30 – 3:30 PM			**Panel on Finance & Funding and Innovative Business Modeling** (by NTIA)			

*Speaker Lineup and Timing for Breakout Sessions follows main agenda.

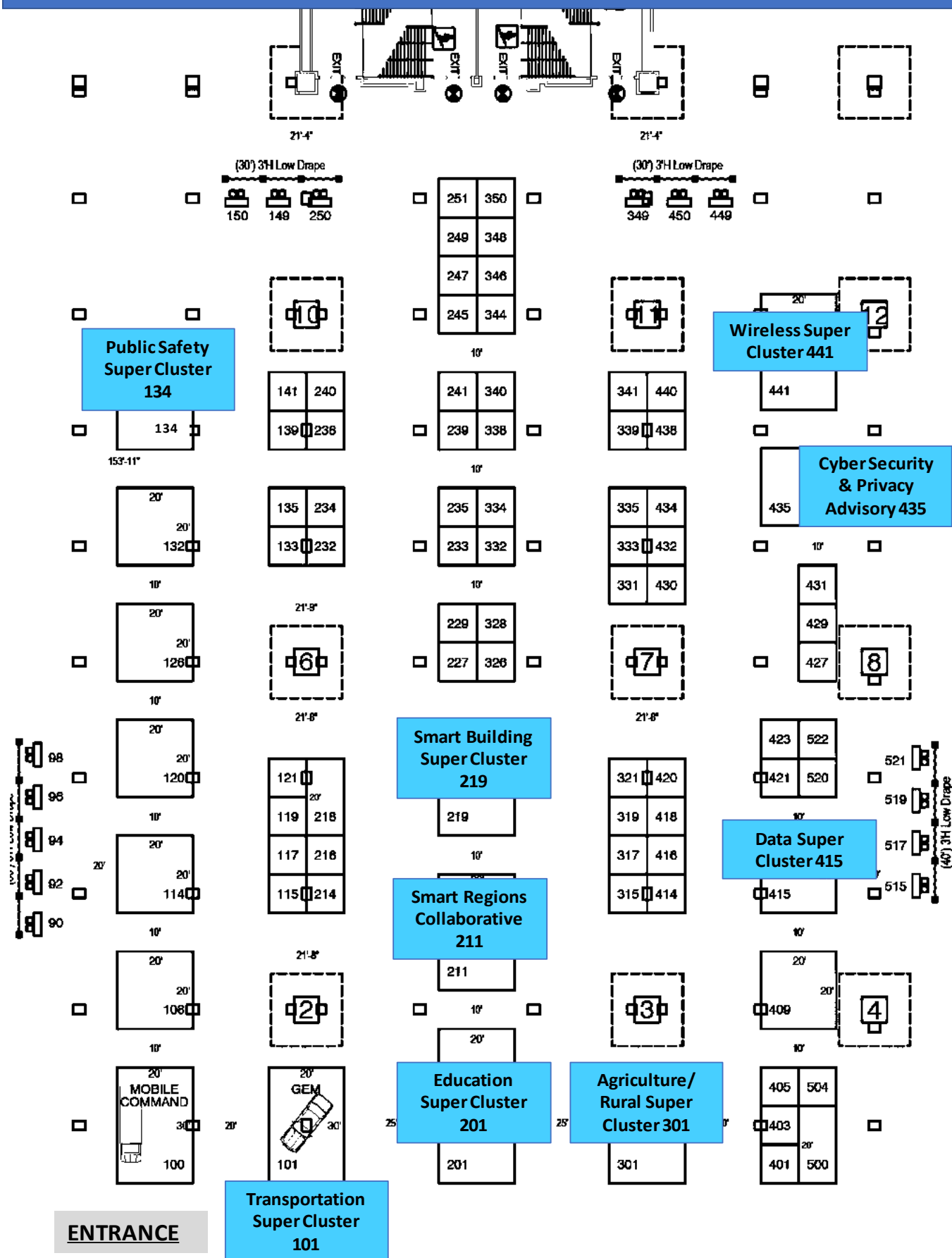Sessions 5 and 6 start at 11:30 AM and go to 1:50 PM to accommodate adjustments to room setup.

1:30 PM	**LUNCH (on your own)**	
1:30 – 5:00 PM	**EXHIBITS OPEN**	**EXHIBIT HALL C**

DAY 1: THURSDAY, JULY 11, 2019 (continued)

"BIRDS OF A FEATHER" PARALLEL BOOTH SESSIONS

3:00 – 4:00 PM			4:00 – 5:00 PM		
Cybersecurity & Privacy Advisory Committee	Data Super Cluster Meeting	ASEAN Smart City Networking Event	Smart Building Super Cluster Meeting	Agriculture and Rural Super Cluster Meeting	Smart Regions Collaborative Meeting
Exhibit Booth #435	Exhibit Booth #415	Exhibit Booth #409	Exhibit Booth #219	Exhibit Booth #301	Exhibit Booth #211

5:00 – 6:30 PM Room 150B	**Evening Panel and Reception – Open to All Attendees** *Smart and Safe - Risk Reduction in Tomorrow's Cities* *Hosted by the EastWest Institute in partnership with Microsoft and Unisys* *(Open to Public, Complimentary Registration: https://on.ewi.info/2Kzixlz)*

DAY 2: FRIDAY, JULY 12, 2019 Registration 8:00 am – 3:30 pm

9:00 AM –11:00 AM	**Plenary Session**	**ROOM 151AB (Overflow Rooms 150B, 152A)**

9:00 AM	**Welcome Back and Recap** *Christos Papadopoulos,* Program Manager, Science and Technology Directorate, U.S. Department of Homeland Security (DHS S&T)
9:05 AM	**Keynote** *André Hentz*, Deputy Under Secretary, DHS S&T (Acting)
9:20 AM	**Security and Privacy Panel (DHS)**
10:00 AM	**Mayors Keynote Panel Discussion** *Pauline Cutter,* Mayor, City of San Leandro, California, USA *Gary McCarthy,* Mayor, City of Schenectady, New York, USA *Joel Robideaux,* Mayor-President, City of Lafayette, Louisiana, USA *Ben Walsh,* Mayor, City of Syracuse, New York, USA *Jean Rice,* Senior Broadband Specialist, NTIA (Moderator)
10:45 AM	**Smart States Overview** National Governors Association

10:55 AM	**Move to Breakout Sessions**

11:10 AM – 12:30 PM	**PARALLEL BREAKOUT SESSIONS*** (Theme allocation and timing subject to change.)			
*See Speaker Lineup for Breakout Sessions following the main agenda.	Session 1 ROOM 150A	Session 2 ROOM 150B	Session 3 ROOM 152A	Session 4 ROOM 152B
	Smart Buildings Super Cluster Session	Agriculture/Rural Super Cluster Session	Utility Super Cluster Session	Education Super Cluster Session

12:30 PM – 3:30 PM	**EXHIBITS OPEN EXHIBIT HALL C**
12:30 PM	**LUNCH (on your own)**

	"BIRDS OF A FEATHER" PARALLEL BOOTH SESSIONS	
1:00 – 2:00 PM	Smart Procurement (Smart Regions Collaborative Booth)	Health and Thriving Communities (Ag & Rural Booth)
	Exhibit Booth #211	Exhibit Booth #301

3:30 PM	**CONFERENCE ADJOURNS**

21'-4"   21'-4"

(30') 3'H Low Drape   (30') 3'H Low Drape
150 149 250   349 450 449

251	350
249	348
247	346
245	344

10'

Public Safety Super Cluster 134

10   11   12

Wireless Super Cluster 441

| 141 | 240 | | 241 | 340 | | 341 | 440 |
| 139 | 238 | | 239 | 338 | | 339 | 438 |

134   441

153'-11"   10'   10'

Cyber Security & Privacy Advisory 435

20'		135	234		235	334		335	434		435
20' 132		133	232		233	332		333	432
						331	430

10'   21'-9"   10'

20'		6		229	328		7		431
20' 126				227	326				429
								427	8

10'   21'-6"   10'   21'-6"

| 20' | | | **Smart Building Super Cluster 219** | | | 423 | 522 |
| 20' 120 | | 121 | | | 321 | 420 | | 421 | 520 |

98   521
96   519

219   **Data Super Cluster 415**   517

| 119 | 218 | | 319 | 418 |
| 117 | 216 | | 317 | 416 | 515
| 115 | 214 | | 315 | 414 |

94   10'

Smart Regions Collaborative 211

92   415

90   211   10'

20'   21'-6"

| 20' | | 2 | | | 3 | | 409 | 4 |
| 20' 108 |

10'   10'   20'   10'

Education Super Cluster 201   **Agriculture/ Rural Super Cluster 301**

20' MOBILE COMMAND		20' GEM					405	504
30' 100		30' 101		201		301		403
							401	500

Transportation Super Cluster 101

ENTRANCE

4

Company	Booth Number	Company	Booth Number
I3 Consortium	449	Fybr	421
360 Network Solutions	521	Galway Smart City	401
Advanced Flood Warning	403	Genetec	317
Aging in Style, Southwest Neighborhood Assembly	517	Greater Washington Smart Region Movement	520
Agricultural and Rural Super Cluster (ARSC)	301	Gyeonggi Open Platform for Smart City (GO · PS)	218
AIG	139	IDC	96
Aimsun	141	Intel Federal LLC	233
Anatomy of a Smart City (City of Schenectady)	333	International Access Corporation	98
ASVDA Taiwan Smart Cities	126	IoT Enabled Smart City Workshop for City	405
Axis Communications	414	Iowa State University	150
BEM Controls, Inc.	216	IPgallery	334
CinDay (Cincinnati-Dayton) Cyber Corridor	90	Jacobs	108
City of Coral Gables	238	Juniper Networks	335
City Tech Collaborative	92	Lafayette, Louisiana: Innovation with an Accent	505
Civic Software Foundation	115	LOTaDATA	214
CommScope	315	Louisiana Tech. Univ./City of Ruston	133
Concorde Technologies Inc.	100	Map901	344/346
Council of the Great Lakes Region	117	National Institute of Information Communications (NICT), Japan	135
CryptoMove	119	NIST GCTC Action Cluster Saudi Arabia (TBD)	132
Cyber Resilience Planning (formally Adaptable Security)	431	Nokia	438
Cybersecurity and Privacy Advisory Committee (Super Cluster)	435	NTELS/SUWON CITY	235
Data Super Cluster (DSC)	415	NTIA, BroadbandUSA	247
Databuoy	240	NTT DATA	227
DC Asset Mgmt. Lab at the Univ. of the District of Columbia	94	Open City Labs	440
DELI-i/Jeju Special Self-Governing Province/ Gunpo City	434	Otarris	350
Dell Technologies	229	PA Department of Agriculture	301
Deloitte Consulting	121	Palo Alto Networks	522
DHS Science and Technology	234	Paradox Engineering – MinebeaMitsumi Group	251
DLT Solutions	319	Paramount Planet Product	348
EastWest Institute	149	Project GRACE	339
Eaton Lighting	416	Public Safety SuperCluster (PSSC)	134
Ecube Labs	321	Relax, Recharge, Retreat LLC	500
Education Super Cluster (ESC)	201	RoadBotics and City of Cumberland, MD	341
EnerNex	519	Rural Telehealth Initiative	515
Enterprise Infrastructure Partners	430	Saitama City Smart Community Project	340
Fend, Inc.	331	Shulman Rogers	418
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Company Name	Booth Number
Smart Building Super Cluster (SBSC)	219
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SmartWAVE Technologies	249
IBM	232
SPIN Global Presents ResponderCQ	326
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Syracuse University Secure Cloud Architecture	429
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Temboo	245
The Open Group	432
Transportation Super Cluster (TSC)	101
Ubicquia	349
Underground Infrastructure Monitoring	328
United States Postal Service	239
Upsouth, Auckland Council, New Zealand	423
U.S. – ASEAN Smart Cities Partnership	409
Vorbeck Materials	241
Wabash Heartland Innovation Network and Purdue University	427
Wiomax	332
Wireless SuperCluster (WSC)	441
World Smart Sustainable Cities Organization (WeGO)	120

Exhibit Hours

Thursday, July 11, 1:30 - 5:00PM

Friday, July 12, 12:30 - 3:30PM

DAY 0 PRE-CONFERENCE WORKSHOP
WEDNESDAY, JULY 10, 2019 4:15 pm – 5:30 pm

ROOM 150A FIWARE Workshop (Open to Public) *Hosted by FIWARE*

Discover how FIWARE is driving the de-facto standards needed for the creation of a sustainable global market for Smart Cities! Connected to the Action Cluster proposal presented by the FIWARE Foundation, the workshop will highlight the overall FIWARE vision and value proposition for Smart Cities, as well as present the collaboration activities with the World Economic Forum and TM Forum. In addition, it will touch upon the FIWARE Smart Cities showcase program: the basis and how to join. Register now!

DAY 1 BREAKOUT SESSION SPEAKER LINE-UP Thursday July 11, 2019

TRACK 1: *11:10 AM – 12:30 PM*

SESSION 1 ROOM 150A

Transportation Super Cluster 11:10 AM – 12:30 PM
Chairs/Moderators: Wilfred Pinfold, OpenCommons; Skip Newberry, Technology Associates of Oregon

Empowering Ruston City Services Using Wireless Sensor Networks for an Environmental and Transportation Monitoring System: *Benjamin Drozdenko, Assistant Professor of Cyber Engineering and Computer Science, Louisiana Tech University*

Empowering Walkable and Bikeable Communities using Smart Decision Support System (DSS) Integrated with Vehicle-to-Everything (V2X) Communication: *Eugene W. Grant, Mayor, City of Seat Pleasant, Maryland, USA; Z. Jenipher Wang, CEO, Wiomax*

Wireless (LTE) Traffic Signal Control System Using IoT Technology for All Crossroads: *Min Kim, Traffic and ITS Engineer, Gunpo City, South Korea*

Big Data and Artificial Intelligence for Road Infrastructure Sustainability: *Nikhil Ranga, Director of Product & Customer Experience, Roadbotics; Robert Smith, Director of Engineering, City of Cumberland, MD*

Full Functioned Autonomous Driving Development Park in Taiwan: *Ying-Fan Lin, Associate Manager from Kingwaytek Technology Co., Ltd.*

Thriving Communities: Promoting Quality of Life for all Ages and the Role of Transportation: *Thomas Doherty, Clinical and Organizational Psychologist, Sustainable Self*

Public Private Partnerships to Support Transportation Infrastructure: *Hurst Renner - Manager, Public Policy & Smart City Partnerships, Rubicon*

Use of Transportation Data to Encourage more Trips on Transit, by Bike, on Foot: *Wilfred Pinfold - President, OpenCommons*

SESSION 2 ROOM 152A

Public Safety Super Cluster 11:10 AM – 12:30 PM
Chairs/Moderators: W Michael Dunaway, U. of Louisiana, Lafayette; Dean Skidmore, IoT+LTE Consulting;
Brenda Bannan, George Mason University

Smart City IoT Innovation (SCITI) Perspectives: *David Ihrie, Center for Innovative Technology; David Heyman, Smart City Works; Brenda Bannon, George Mason University*

DHS Perspective and Priorities for Action Clusters: *Jeff Booth, DHS S&T Directorate*

GCTC Perspectives from the Private Sector: *Scott Tousley, Splunk, Inc.*

Smart Wide Area Protection & Security for All from Concorde Security: *Ben Ng, Head USA, Concorde USA*

Technology for Safety and International Collaboration: *Emika Hasegawa, Director for International Negotiations Management, Ministry of Land, Infrastructure, Transport and Tourism*

The NTT Smart Vegas Cities Solution for the City of Las Vegas: *Ashwini Chharia, Senior Director, NTT DATA, Inc.*

StormSense: *Kyle Spencer, Deputy Resilience Officer, City of Norfolk, VA, USA*

Public Safety Super Cluster Blueprint Update: *Dean Skidmore, PSSC CO-Chair, IoT+LTE Consulting Group, Inc.*

DAY 1 BREAKOUT SESSION SPEAKER LINE-UP Thursday July 11, 2019

SESSION 3 ROOM 150B

Smart Regions Collaborative 11:10 AM – 12:30 PM
Chair/Moderator: Jean Rice, NTIA

Smart Regions Collaborative Kickoff: *Zack Huhn, Chairman, Smart Regions Initiative, and Jean Rice, NTIA*

Tri-State Region (PA, WV, OH) Food System Project: *Scott J. Sheely, Special Assistant, Pennsylvania Department of Agriculture; Mark Critz, Executive Director, PA Rural Development Council*

Wabash Heartland Innovation Network (WHIN) – Advancing Agriculture and Manufacturing via IoT: *Johnny Park, CEO, Wabash Heartland Innovation Network (WHIN)*

Lake Tahoe Basin End Warning System and Bi-State Next Gen 911 Dispatch and Traffic Management Center: *Danielle Hughes, Capital Program Manager, Tahoe Transportation District*

The Great Lakes Smart and Sustainable Cities Cluster: *Jeffrey Leonard, City Administrator, City of Defiance, OH; Mark Fisher, President and CEO, The Council of the Great Lakes Region*

Supercomputer Modeling and Artificial Intelligence Cluster for Smart Cities and Regions: *Eric Drummond, CEO and Founder, Innovation Corridor; Matthew James Bailey, Global Leader in Smart Cities / President, Powering IoT*

Greater Washington Smart Region Movement: *Karl Darin, VP & Program Lead, Greater Washington Board of Trade*

Portland/Seattle/Vancouver Area Smart Region Initiative: *Jonathan Fink, Professor, Director, Digital City Testbed Center, Portland State University*

Smart Regions Initiative, Silicon Valley: *Jeff Lewis, Director of Smart Regions, Joint Venture Silicon Valley*

The Mid-Ohio Smart Region Task Force: *Thea Walsh, Director, Director of Transportation & Infrastructure Development, MORPC*

SESSION 4 ROOM 156

Data Super Cluster 11:10 AM – 1:10 PM
Chairs/Moderators: Alex Huppenthal, Aspenworks, Ltd.; Jason Whittet, 100 Resilient Cities; Scott Tousley, Splunk, Inc.; Aaron Deacon, KC Digital Drive

Project GRACE (Graceful Remediation with Authenticated Certificateless Encryption) – Towards a Secure Internet: *Kang-Wei Woo, Executive Director, QuantumCIEL, Singapore*

Japan's Smart Cities Efforts and Saitama Smart Town: *Tomohiro Ushiyama, Deputy Director-General for International Economic Affairs, Global Strategy Bureau, Ministry of Internal Affairs and Communications, Japan; Hiroaki Nishi, Professor and Chairperson, Keio University / Misono Town Management Association, Inc.*

Coral Gables Smart City Hub Public Platform: *Eduardo "Ed" Santamaria, Assistant City Manager, City of Coral Gables, FL, USA; Raimundo Rodulfo, Director of Information Technology, City of Coral Gables, FL, USA*

I3 Consortium: *Jerry Power, Executive Director CTM and Founding Member of I3 Consortium, USC*

Cybersecurity Use Case Analysis: *Aaron F. Snyder, Director of Grid Technology, Enernex; Frances Cleveland, Xanthus Consulting*

Implementation of Moving Target Data Protection to Secure Smart Lights and Sensors: *Nick Shook, Software Engineer, CryptoMove*

Seoul Platform for Municipal Administration: *Speakers TBD*

LotaData CityDash / CityGraph Data Analytics Platform: *Apu Kumar, Co-Founder and CEO LotaData*

Presentation of Rural IoT Solution from Rural Ag: *Mo Shakouri, Director, Community Broadband Initiative, Joint Venture Silicon Valley (JVSV)*

Using Smart City Data to Drive Economic Development: *Nick Maynard, PhD, Chief Strategy Officer, US-Ignite*

Data standards driving the transformation of smart cities: *Juanjo Hierro, CTO, FIWARE Foundation*

Q&A DSC Resources; Wrap up and Q&A: *Moderators Scott Tousley, Aaron Deacon, Alex Huppenthal*

DAY 1 BREAKOUT SESSION SPEAKER LINE-UP Thursday July 11, 2019

SESSION 5 ROOM 151A

Wireless Super Cluster 11:30 AM – 12:50 PM
Chairs/Moderators: David Witkowski, Joint Venture Silicon Valley; Jon Walton, San Mateo County, CA;
Tony Batalla, City of San Leandro, CA; Benny Lee, San Mateo County, CA

Wireless Super Cluster IoT Blueprint Presentation: *Tony Batalla, City of San Leandro, CA, USA*

East Palo Alto Neighborhood Innovation Zone: *Jon Walton, CIO, County of San Mateo, CA*

Galway Smart City: Light Pollution, Air Quality and Noise Monitoring Smart System - IoT Based: *Shivakumar Mathapathi, CTO, Dew Mobility / Faculty, Santa Clara University, CA; Martin Serrano, Head of Research at Data Science Institute, National University of Ireland*

Palo Alto Networks Presentation: *Tom Williams, Palo Alto Networks*

Acoustic Monitoring at the Edge: *Tom Darbonne, Director of Applications Engineering, AudioT*

Smartwave Technologies: *Al Brown, CEO, Smartwave Technologies*

Edge Compute in the Era of 5G: *Leland Brown, Technology Development Manager / Advanced Wireless Solution Architect, Intel Federal*

SESSION 6 ROOM 151B

Cybersecurity and Privacy Super Cluster 11:30 AM – 12:50 PM
Chairs/Moderators: Lan Jenson, Adaptable Security; Christos Papadopoulos, U.S. Department of Homeland Security;
Scott Tousley, Splunk, Inc.; Maryam Rahmani, Maryam Rahmani, LLC

A GCTC Consiglieri Discussion

   Maryam Rahmani, Cybersecurity and Privacy Advisory Committee; Principal, Maryam Rahmani LLC

   Christos Papadopoulos, Department of Homeland Security S&T

   Scott Tousley, Cybersecurity and Privacy Advisory Committee; Senior Cybersecurity Executive, Splunk

   Jacob Margolis, Chief Information Security Officer, Metropolitan Water District of Southern California

   Richard Tracy, Senior VP and Chief Security Officer, Telos

From Desire to Actionable Plan: A Cybersecurity Model for Smart Secure Cities Initiatives: *Benny Lee, Cybersecurity and Privacy Advisory Committee; Public Wi-fi Program Director, San Mateo County, USA; Carmen Marsh, Cybersecurity and Privacy Advisory Committee; CEO, Intelligenca Inc.; Michael Kaiser, Board of Directors, Adaptable Security*

Towards A Cloud Privacy Security Rights Inclusive Architecture: Introducing the SC3-cpSria Secure Cloud Architecture Action Cluster and the Syracuse SURGE: *Sam Edelstein, Chief Data Officer, City of Syracuse; Yusuf Saadiq Abdul Qadir, Director, New York Civil Liberties Union; Lee W McKnight, Associate Professor, School of Information Studies, Syracuse University*

Building Human Centered Smart City: *Yi-Chen Chu, CEO, BiiLabs*

Equity in Cybersecurity Training: A New Collaborative Pilot in Chicago: *Frank Downs, Director/SME Cybersecurity Practices, ISACA; Meera Raja, Manager of Solution Design & Program Development, City Tech Collaborative; Natasha Green, Global Community Manager, AnitaB.org*

DAY 1 BREAKOUT SPEAKER SESSION SPEAKER LINEUP July 11, 2019

TRACK 2: *12:30 – 1:30 PM*

SESSION 1 ROOM 150A

5G 12:30 – 1:30 PM
Chair/Moderator: Jeffrey Booth, U.S. Department of Homeland Security

Panel Session: 5G Reality Check: Deployment, Safety, Security

Keith Gremban, Director of the Institute for Telecommunication Sciences (ITS), NTIA

Jim Houchens, Chief Engineer, Intelligence Programs, MITRE Corporation

Mayor Lily Mei, City of Fremont, California

Nicholas Nilan, Director, Product Development, Public Sector, Verizon Business Group

SESSION 2 ROOM 152A

Healthcare (hosted by HRSA) 12:30 – 1:30 PM
Chair/Moderator: Matthew Quinn, Health Resources and Services Administration

Panel Session: The Promise of IoT for Rural Health (and Beyond)

Thomas Joseph Doherty, Psy.D, Licensed Psychologist, Sustainable Self, LLC
Sarah Tyree, Vice President, Policy and Public Affairs at CoBank
Brian Scarpelli, Senior Global Policy Counsel, Connected Health Initiative, ACT
John Putnam, Smart Cities Program Manager, Cincinnati Bell
Penny Chase, Senior Principal Scientist, Cybersecurity, MITRE

SESSION 3 ROOM 150B

Smart States 12:30 – 1:30 PM
Chair/Moderator: Daniel Lauf, National Governors Association (NGA)

Debra Lam, Managing Director, Smart Cities and Inclusive Innovation, Georgia Tech

Mark Critz, Western Regional Director, Pennsylvania Department of Agriculture

Joe Zilka, Sr. Manager, Government Solutions Manager, SAS

SESSION 5 ROOM 151A

Knowledge/Technology Platform 12:50 – 1:50 PM
Chair/Moderator: Albert Graves, World Smart Sustainable Cities Organization (WeGO)

Taipei Smart City Programme/GO SMART: *Hsin-Lun Tsai, Research Fellow of Taipei Smart City Project Management Office*

FIWARE: Towards a Global Digital Single Market for Smart Cities: *Ulrich Ahle, CEO, FIWARE Foundation*

Leading Cities: *Michael Lake, President & CEO, Leading Cities*

GO·PS (Gyeonggi Open Platform for Smart City): *Tae-Kyung Kim, Research Fellow, Gyeonggi Research Institute (GRI), South Korea*

WeGO: *Albert Graves, Program Director, World Smart Sustainable Cities Organization*

Breaking the Code: The UN-hackathon: *Skip Newberry, President and CEO, Technology Associates of Oregon; Kory Murphy, Equity & Inclusion Manager, Department of County Assets, Multnomah County, OR*

DAY 1 BREAKOUT SPEAKER SESSION SPEAKER LINEUP July 11, 2019

SESSION 6 ROOM 151B

Inclusivity & Privacy Session (hosted by NTIA) 12:50 – 1:50 PM
Chair/Moderator: Emy Tseng, Senior Program Specialist, BroadbandUSA, NTIA

Panel Session: The Smart and Respectful City: How to Handle Issues of Privacy and Trust

Panelists:

Travis R. Hall, Telecommunications Policy Specialist, NTIA

Kelsey Finch, Senior Policy Counsel, Future of Privacy Forum

Denise Linn Riedl, Chief Innovation Officer, Department of Innovation and Technology, South Bend, IN

Lee W.McKnight, Associate Professor in the iSchool (The School of Information Studies), Syracuse University

Erin Kenneally, Program Manager, the Cyber Security Division for the Homeland Security Advanced Research Projects Agency at the DHS Science & Technology Directorate.

SPECIAL PANELS and TOPICAL MEETINGS (OPEN TO PUBLIC) July 10-11

THURSDAY, JULY 11, 2019 1:30 pm – 6:30 pm

ROOM 150B Funding and Financing Session
Hosted by NTIA

1:30 – 2:30 PM Funding and Financing Panel
Moderator: Aimee Mecham, Chief, External Affairs, NTIA, BroadbandUSA

Meghan Houghton, Senior Advisor for Strategic Engagements, National Science Foundation

Jeanne Miliken Bonds, Senior Manager, Community Development, Federal Reserve Bank of Richmond

Oliver Kroner, City of Cincinnati OES
Eric Drummond, Chair, Colorado Venture Capital Authority, CEO Innovation Corridor
Ryeon Corsi, Management and Program Analyst, USDA, Rural Utilities Service Telecommunications Program

2:30 – 3:20 PM Innovative Business Modeling Panel
Moderator: Don Williams, Senior Program Specialist for Broadband Development, NTIA

Jon Walton, CIO of San Mateo County (confirmed);

Jay Nath, Co-Executive Director, City Innovate

Seema Alexander, Lexden Capital

Chris Rezendes, Chief Business Officer at Spherical Analytics

SPECIAL PANELS and TOPICAL MEETINGS (OPEN TO PUBLIC) July 10-11

"BIRDS OF A FEATHER" MEETINGS Exhibit Hall C

Feel free to join the open discussion on shared topics

> **EXHIBIT BOOTH #435, 3:00 – 4:00 PM, Cybersecurity and Privacy Advisory Committee (CPAC): What's Needed to get your Smart City Initiatives Secure?**

> **EXHIBIT BOOTH #415, 3:00 – 4:00 PM, Data Super Cluster**

> **EXHIBIT BOOTH #301, 4:00 – 5:00 PM, Agriculture and Rural Super Cluster**

> **EXHIBIT BOOTH #219, 4:00 – 5:00 PM, Smart Building Super Cluster**

> **EXHIBIT BOOTH #211, 4:00 – 5:00 PM, Smart Regions Collaborative**

EXHIBIT BOOTH #409, 4:00 – 5:00 PM, ASEAN Smart City Network Meet-and-Greet Meeting

Meet and Greet municipal officials from 26 cities in the ASEAN Smart City Network

ROOM 150B, 5:00 – 6:30 PM, Smart and Safe: Risk Reduction in Tomorrow's Cities Panel and Reception *Hosted by the EastWest Institute, in partnership with Microsoft and Unisys*

This panel will bring together representatives from the private sector, non-profit and city leadership to discuss the challenges cities face when deploying technology and smart solutions in urban environments. Speakers will share views on recommendations and best practices to manage the risks and reap the full potential of Smart Cities across four main areas: cybersecurity, public safety, privacy and data protection, and collaboration in governance. The discussion will be based around a 2019 report from the EastWest Institute, Microsoft and Unisys: Smart and Safe: Risk Reduction in Tomorrow's Cities. **Complimentary Registration:** https://on.ewi.info/2Kzixlz

Opening Remarks

Bruce W. McConnell, Executive Vice President, EastWest Institute

Panel Discussion (Followed by Q&A Session and Reception)

> *Mark Forman, Global Head, Public Sector, Unisy*

> *Kimberly Nelson, Executive Director State and Local Government Solutions, Microsoft*

> *City Representative TBD*

DAY 2 BREAKOUT SESSION SPEAKER LINE-UP

FRIDAY, JULY 12, 2019 11:10 AM – 12:30 PM

SESSION 1 ROOM 150A

Smart Buildings Super Cluster 11:10 AM – 12:30 PM
Chair/Moderator: Limor Schafman, Telecommunications Industry Association (TIA)

IoT & AI-based Smart Energy Management System for Smart City: *Changsoo Park, General Manager, NTELS Co, ltd*

Point Cloud MAP901, Building Rich Interior Hazard Maps for First Responders: *Mike Rodriguez CIO, City of Memphis, TN*

Anatomy of a Smart City: *Mayor Gary R. McCarthy, City of Schenectady, NY, USA; John P. Coluccio, City of Schenectady, NY*

Connectivity – Empower your Smart Buildings: *Ronna Davis, LEED Green Associate, Strategy and Technology, Enterprise Product Management, CommScope, Inc.*

Smart Cities/Safer Buildings – Technologies that Save Money…and Lives: *Jeffrey Booth, Director, Sensors and Platforms Technology Center, DHS S&T*

Smart Buildings – Improving Organizational Productivity: *Limor Schafman, Senior Director, Smart Buildings Program, TIA*

Transportation: *Yuri Gawdiak, Airspace Operations & Safety Program Associate Director, Aeronautics Research Mission Directorate, National Aeronautics and Space Administration (NASA)*

City Services and Utilities: *John P. Coluccio, Signal Superintendent, City of Schenectady, NY*

DAY 2 BREAKOUT SESSION SPEAKER LINE-UP

SESSION 2 ROOM 150B

Agriculture/Rural Super Cluster 11:10 – 12:40 PM
Chairs: Josh Seidemann, NTCA-The Rural Broadband Association; Mo Shakouri, JVSV; Dennis Buckmaster, Purdue University

Panel: Innovation in the Smart Rural Ecosystem

Moderator: Mo Shakouri, Director, Community Broadband Initiative, Joint Venture Silicon Valley

Josh Seideman, Vice President of Policy, NTCA–The Rural Broadband Association

Hongwei Zhang, Associate Professor of Electrical and Computer Engineering, Iowa State University

Bill Pugh, CTO, LocalX Network

Charilaos Mousoulis, Senior Research Scientist at the School of Electrical Engineering at Purdue University

Scott J. Sheely, Special Assistant, PA Department of Agriculture

Debra Lam, Managing Director, Smart Cities and Inclusive Innovation, Georgia Tech

Margie Zuk, Senior Principal Cybersecurity Engineer, MITRE Corporation

Dennis R. Buckmaster, Professor of ABE and Dean's Fellow for Digital Agriculture, Purdue University

Virtual Care Delivery Model to Sustainably Expand Capacity & Reach of Health Systems to Deliver High-Quality Care in Rural Communities: *Sarah B. Tyree, Vice President, Policy and Public Affairs, CoBank; Anshu Vaish, President & CEO, Perry Health*

Wireless Living Lab for Smart Agriculture and Rural Communities: *Hongwei Zhang, Associate Professor of Electrical and Computer Engineering, Iowa State University*

"575-HOPE" – A Technology Solution to Address Preparedness, Response and Recovery from Opioid and all Types of Addiction: *John Putnam, Smart Cities Program Manager, Cincinnati Bell*

Farm to Fork Crop Tracking: *Wilfred Pinfold, Urban Systems*

Device Identity and Device Integrity: Embedded Security Extending PKI: *Jason Soroko, CTO IoT, Sectigo*

SESSION 3 ROOM 152A

Utility Super Cluster – Energy, Water, and Waste Management 11:10 AM – 12:30 PM
Chair/Moderator: Pete Tseronis, Dots and Bridges, LLC

Global, High Impact Energy Efficiency: *Joe D'Agostino, President, Enterprise Infrastructure Partners*

Smart Waste Management & Logistics: *Paul Park - Global Business Development Manager, Ecube Labs*

Gyeonggi Provincial Virtual Power Plant in GOPS (Gyeonggi Open Platform for SmartCity): *Ilhan Ham, CEO & Founder, H Energy Co., Ltd.*

Transactive Energy for Smart Cities: *William J. Miller, MaCT USA*

Fireside Chat with the Utility Super Cluster Task Force

Pete Tseronis, CEO, Dots and Bridges LLC

Ian Magazine, Strategy, Operations, and Finance Executive, Carnegie-Mellon University

Kohlie Frantzen, Managing Partner, Helical Holdings

Jennifer Morrissey (invited), Manager, Smart and Sustainable Communities Think Tank, Dentons

DAY 2 BREAKOUT SESSION SPEAKER LINE-UP

SESSION 4 ROOM 152B

Education Super Cluster 11:10 AM – 1:40 PM
Chairs/Moderators: Derick Lee, Pilot City; Shannan Williams, NIST; Emy Tseng, NTIA

THEME: EDUCATION AND WORKFORCE

Cincinnati-Dayton Cyber Corridor: *Stephanie Keinath, Director, Public Policy & Economic Development, Dayton Ohio Area Chamber of Commerce; Tom Skill, Associate Provost and Chief Information Officer, Professor, University of Dayton*

World Digital School: *David Sandel, Founder, iNeighborhoods*

South Bend's Technology Resource Center: A Collaboration Platform for a Responsive, Inclusive Beta City:
Brian Donoghue, Director of Civic Innovation, South Bend, IN, USA

DC Asset Management Lab at the University of the District of Columbia – A Continuing Education Program for Professionals: *Michael Bordenaro, President, Asset Management Labs, LLC*

THEME: NEIGHBORHOODS AND COMMUNITIES

Smart Neighborhoods: *Seth Hubbert, Executive Director, Tech Exchange*

Augmented Neighborhood Watch: *Stephanie Hayden, CEO & Founder, Metropolitan Intelligence*

Smart Work Learn Play: Participatory Smart City Innovation and Digital Inclusion in Public and Subsidized Housing:
Catherine Crago, Head of Strategic Initiatives, Housing Authority of City of Austin

UPsouth – A Primer on how Cities can Connect with Citizens to Build Resilient Communities and Strengthen Smart City Initiatives: *Priti Ambani, Chief Evangelist, UPsouth*

Connecting the Dots: Technology Enhanced Aging-in-Place for Residents of Waterfront Village, Washington, DC: *Marjorie Lightman, Partner, QED Associates lic, Senior Fellow, WREI*

THEME: CIVIC ENGAGEMENT and DATA

Data Equity for Main Street - Bring Open Data to Communities through Public Libraries: *Anne Neville-Bonilla, Director, California Research Bureau, California State Library*

Smart City Diaries TV / Video Series: *Deborah Acosta, Smart City Diaries, Co-Host, Writer; Ann M. Marcus, Smart City Diaries Producer*

IoT-Enabled Smart City Workshop for City, Private and Public Communities: *Shivakumar Mathapathi, Faculty, Santa Clara University, CA; Vanessa Garrett, Deputy City Engineer, City of Rohnert Park, CA, USA*

CIVIC Data Platform: Data by the People, for the People: *Catherine Nikolovski, Executive Director, Civic Software Foundation; Michael Hanna, Multnomah County, OR*

SUPER CLUSTER NEXT STEPS

Derick Lee, Pilot City, and Shannan Williams, NIST

PANELS and TOPICAL MEETINGS (OPEN TO PUBLIC) July 12, 2019

"BIRDS OF A FEATHER" MEETINGS Exhibit Hall C

Feel free to join the open discussion on shared topics

    EXHIBIT BOOTH #211, 1:00 – 2:00 PM, Smart Procurement (Smart Regions Booth)

    EXHIBIT BOOTH #301, 1:00 – 2:00 PM, Healthy and Thriving Communities (Agriculture and Rural Booth)

EXHIBIT HALL Closes at 3:30 PM