

Smart and Secure Cities and Communities Challenge EXPO

PROGRAM GUIDE

JULY 11-12, 2019

Walter E. Washington Convention Center,
Washington, DC

Co-Hosted by:



Homeland
Security
Science and Technology



With U.S. Federal Government Partners:



HRSA
Health Resources & Services Administration



In Partnership With:



NARC
Building Regional Communities



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 McDougale, 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.

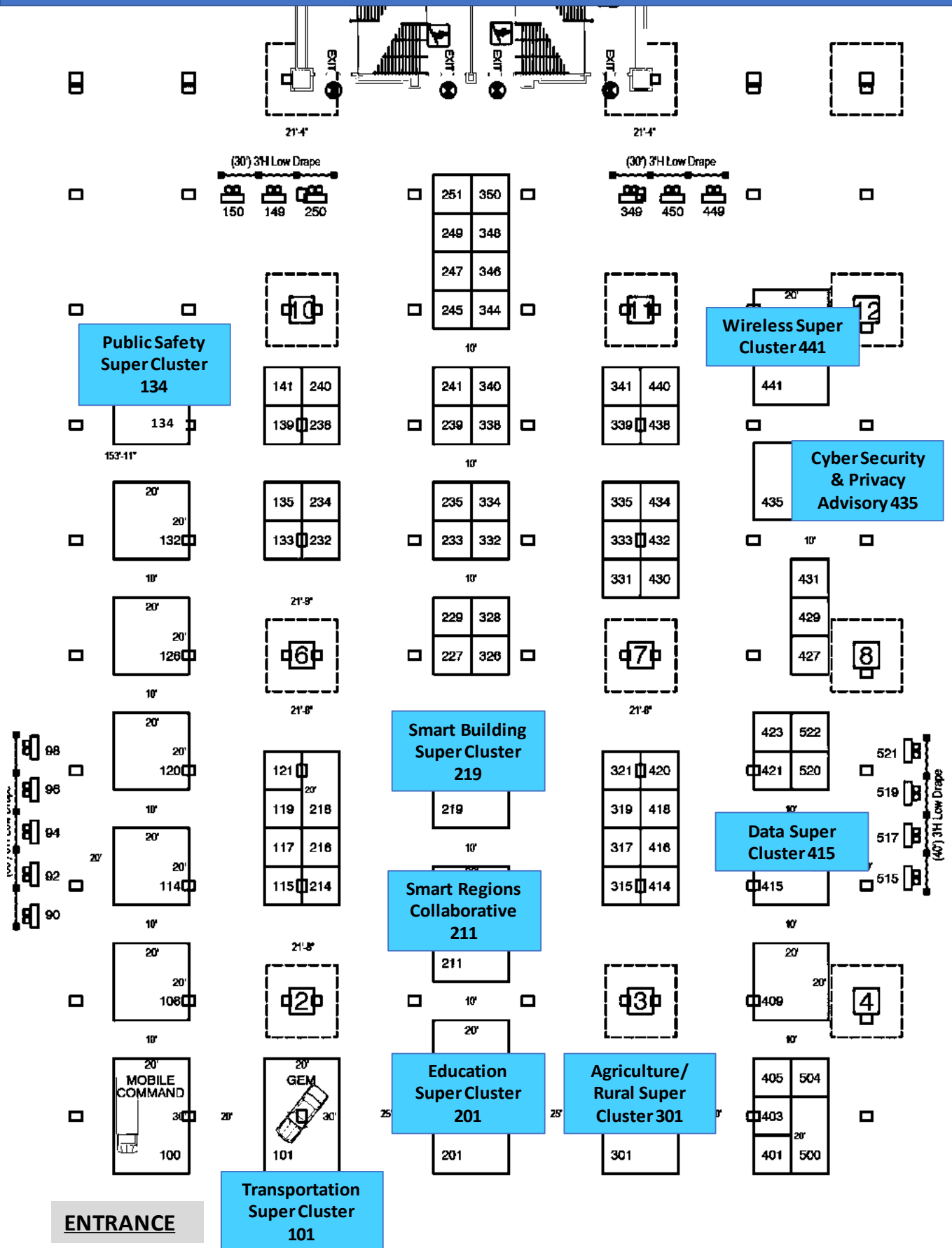
1:30 PM **LUNCH (on your own)**

1:30 – 5:00 PM **EXHIBITS OPEN**

EXHIBIT HALL C

| DAY 1: THURSDAY, JULY 11, 2019 (continued) | | | | | Find descriptions of Panels and other meetings after the main agenda. |
|--|---|--|--|---|---|
| “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 <i>Smart and Safe - Risk Reduction in Tomorrow's Cities</i> 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 <i>Christos Papadopoulos</i> , Program Manager, Science and Technology Directorate, U.S. Department of Homeland Security (DHS S&T) | | | | |
| 9:05 AM | Keynote <i>André Hentz</i> , Deputy Under Secretary, DHS S&T (Acting) | | | | |
| 9:20 AM | Security and Privacy Panel (DHS) | | | | |
| 10:00 AM | Mayors Keynote Panel Discussion <i>Pauline Cutter</i> , Mayor, City of San Leandro, California, USA <i>Gary McCarthy</i> , Mayor, City of Schenectady, New York, USA <i>Joel Robideaux</i> , Mayor-President, City of Lafayette, Louisiana, USA <i>Ben Walsh</i> , Mayor, City of Syracuse, New York, USA <i>Jean Rice</i> , Senior Broadband Specialist, NTIA (Moderator) | | | | |
| 10:45 AM | Smart States Overview <i>Daniel Lauf</i> , Program Director, 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) | | Half of the World - Women's Leadership in Smart Secure Cities | |
| | Exhibit Booth #211 | Exhibit Booth #301 | | Exhibit Booth #415 | |
| 3:30 PM | CONFERENCE ADJOURNS | | | | |

EXHIBITOR MAP EXHIBIT HALL C



| 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 | IBM | 232 |
| Aimsun | 141 | IDC | 96 |
| Anatomy of a Smart City (City of Schenectady) | 333 | Intel Federal LLC | 233 |
| ASVDA Taiwan Smart Cities | 126 | International Access Corporation | 98 |
| Axis Communications | 414 | IoT Enabled Smart City Workshop for City | 405 |
| BEM Controls, Inc. | 216 | Iowa State University | 150 |
| CinDay (Cincinnati-Dayton) Cyber Corridor | 90 | IPgallery | 334 |
| City of Coral Gables | 238 | Jacobs | 108 |
| City Tech Collaborative | 92 | Juniper Networks | 335 |
| Civic Software Foundation | 115 | Lafayette, Louisiana: Innovation with an Accent | 505 |
| CommScope | 315 | LOTaDATA | 214 |
| Concorde Technologies Inc. | 100 | Louisiana Tech. Univ./City of Ruston | 133 |
| Council of the Great Lakes Region | 117 | Map901 | 344/346 |
| CryptoMove | 119 | National Institute of Information Communications (NICT), Japan | 135 |
| Cyber Resilience Planning (<i>formally Adaptable Security</i>) | 431 | NIST GCTC Action Cluster Saudi Arabia (TBD) | 132 |
| Cybersecurity and Privacy Advisory Committee (Super Cluster) | 435 | Nokia | 438 |
| Data Super Cluster (DSC) | 415 | NTELS/SUWON CITY | 235 |
| Databuoy | 240 | NTIA, BroadbandUSA | 247 |
| DC Asset Mgmt. Lab at the Univ. of the District of Columbia | 94 | NTT DATA | 227 |
| DELI-i/Jeju Special Self-Governing Province/ Gunpo City | 434 | Open City Labs | 440 |
| Dell Technologies | 229 | Otarris | 350 |
| Deloitte Consulting | 121 | PA Department of Agriculture | 301 |
| DHS Science and Technology | 234 | Palo Alto Networks | 522 |
| DLT Solutions | 319 | Paradox Engineering – MinebeaMitsumi Group | 251 |
| EastWest Institute | 149 | Paramount Planet Product | 348 |
| Eaton Lighting | 416 | Project GRACE | 339 |
| Ecube Labs | 321 | Public Safety SuperCluster (PSSC) | 134 |
| Education Super Cluster (ESC) | 201 | Relax, Recharge, Retreat LLC | 500 |
| EnerNex | 519 | RoadBotics and City of Cumberland, MD | 341 |
| Enterprise Infrastructure Partners | 430 | Rural Telehealth Initiative | 515 |
| Fend, Inc. | 331 | Saitama City Smart Community Project | 340 |
| FIWARE | 114 | Shulman Rogers | 418 |

| Company Name | Booth Number |
|---|--------------|
| Skayl | 420 |
| Smart Building Super Cluster (SBSC) | 219 |
| Smart Regions Collaborative Super Cluster | 211 |
| SmartWAVE Technologies | 249 |
| SPIN Global Presents ResponderCQ | 326 |
| StormSense | 338 |
| Syracuse University Secure Cloud Architecture | 429 |
| Tech Exchange | 450 |
| Temboo | 245 |
| 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, 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

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 Bannan, 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

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 (JVS)

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

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 SESSION SPEAKER LINEUP, Thursday, July 11

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

The next generation of high speed, low latency network known as 5G is steadily rolling out across the United States, and around the world. For municipalities, much needs to be done to ready infrastructure to deploy 5G. This “densification” effort is complex and takes investment in time and resources. Upcoming high bandwidth capabilities offer new opportunities in public and private services, public safety, transportation and more. Data ownership, privacy and management are now areas local governments need to navigate. Security of networks as they become more interwoven and vulnerable through an expanded threatscape of IoT devices becomes of paramount importance.

This panel discussion will address key questions facing the public sector as it deploys 5G, including: Why the public sector should care about 5G infrastructure and utilization. How municipalities can gain the most from such deployment while keeping in mind lessons learned thus far. Managing the conversation with municipalities and communities regarding 5G deployment impact on health, aesthetics and other questions. How to manage supply chain risk and security. The implications of shared spectrum. Data ownership and management. Securing 5G network hardware and software. The impact of 5G on public safety from location to First Responder support.

Panelists:

Moderator: Jeff Booth, DHS Science & Technology Directorate

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

DAY 1 BREAKOUT SESSION SPEAKER LINEUP, Thursday, July 11

SESSION 5 ROOM 151A

Knowledge/Technology Platform 12:50 – 1:50 PM

Chair/Moderator: Albert Graves, World Smart Sustainable Cities Organization (WeGO)

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

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, South Korea*

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

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*

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 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 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](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, Unisys

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

City Representative TBD

DAY 2 BREAKOUT SESSION SPEAKER LINE-UP, Friday, July 12

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: *Wendy Harris, PMO Director, 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)*

DAY 2 BREAKOUT SESSION SPEAKER LINE-UP, Friday, July 12

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

SESSION 2 ROOM 150B

Agriculture/Rural Super Cluster 11:10 – 12:40 PM

Chairs: Josh Seidemann, NTCA-The Rural Broadband Association; Mo Shakouri, JVSU; 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, Friday, July 12

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 LLC, 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

SPECIAL PANELS and TOPICAL MEETINGS (OPEN TO PUBLIC) July 12

“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 BOOTH #415, 1:00 – 2:00 PM, Half of the World - Women's Leadership in Smart Secure Cities

Smart and Secure Cities and Communities Challenge EXPO

Co-Hosted by:



Homeland Security
Science and Technology



With U.S. Federal Government Partners:



HRSA
Health Resources & Services Administration

UNITED STATES POSTAL SERVICE

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