Global City Teams Challenge Kickoff 2018 & IES-City Framework Workshop

February 6-8, 2018
FHI 360 Conference Center
1825 Connecticut Ave NW, 8th Floor
Washington, DC 20009

Smart and Secure Cities and Communities Challenge

AGENDA

Tuesday, February 6, 2018

Time	Event
8:00 am	*Registration*
9:00 am – 12:00 pm	**OPENING PLENARY SESSION** *Academy Hall ABC*
9:00 am	**Welcome** ➢ **Chris Greer**, Senior Executive for Cyber-Physical Systems, National Institute of Standards and Technology (NIST) ➢ **Doug Maughan**, Director of the Cyber Security Division (CSD), Department of Homeland Security (DHS) Science and Technology Directorate (S&T)
9:15 am	**Keynote** ➢ **André Hentz**, Acting Deputy Under Secretary, DHS S&T
9:30 am	**Perspectives from State Governments on Smart Communities and Security/Privacy** ➢ **Tim Blute**, Director of Future, National Governors Association ➢ **Kirk Lonbom**, Acting Secretary, Department of Innovation & Technology, State of Illinois ➢ **Karen Jackson**, Former Secretary of Technology, Commonwealth of Virginia ➢ Fireside Chat: Kirk Lonbom and Karen Jackson, moderated by Tim Blute
10:20 am	**Smart Cities and the Internet of Things (IoT) and Cybersecurity and Privacy** ➢ **Sokwoo Rhee**, NIST: GCTC-SC3 Overview: ➢ **Scott Tousley**, Deputy Director, CSD, DHS S&T: DHS S&T Programs ➢ **Donna Dodson**, Chief Cybersecurity Advisor, NIST Information Technology Laboratory (ITL) and Director of the National Cybersecurity Center of Excellence: NIST ITL and NCCOE Programs ➢ **Martin Burns**, NIST: IES-City Framework Overview
11:00 am	*Break*
11:15 am	**Smart Cities/IoT and Cybersecurity/Privacy continued** ➢ **Allan Friedman**, Director of Cybersecurity, National Telecommunications and Information Administration (NTIA), U.S. Department of Commerce ➢ **David Corman/Meghan Houghton**, National Science Foundation ➢ **Jeb Benson**, Public Safety Communications Research, NIST
11:55 am	**Instructions for Breakout Sessions: Purpose and Process** ➢ **Joan Pellegrino,** Energetics
12:00 – 1:00 pm	*Lunch (on your own)*

Tuesday, February 6, 2018 (continued)

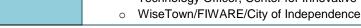| 1:00 – 3:30 pm	**CONCURRENT BREAKOUT SESSIONS**		

	Transportation and Cybersecurity/ Privacy
	➢ Chair: **Skip Newberry**, President, Technology Associates of Oregon and **Wilf Pinfold**, CEO, Urban Systems
	  o Connected Intelligent Transportation:**Christine Kendrick**, Portland Bureau of Planning and Sustainability, Oregon
	  o Independence Freight Tracking: **Shawn Irvine**, City of Independence Oregon
	  o Protecting user Data in the Smart City scenario: the case of the NGSI Encryption Layer w/FIWARE and Mexico City: **Nestor Velasco Bermeo**, Researcher, Computer Science Department - Tecnologico de Monterrey
		Academy Hall ABC	*All participants are invited to participate in professionally facilitated breakouts to build new Action Clusters and/or add partners to existing Action Clusters.*
			
			The objective is to build as many Action Clusters as possible that are aligned with the goals of 2018 Global City Team Challenge (GCTC) and the Smart and Secure Cities and Communities Challenge (SC3).

	Public Safety and Cybersecurity/ Privacy
	➢ Chair: **Michael Dunaway**, Director, NIMSAT, University of Louisiana, Lafayette
	  o Recent trends in the public safety cybersecurity landscape: **George Popovich**, Director of Products & Services Cybersecurity Governance, Motorola Solutions
	  o A strategic approach to IoT security: Focus on Public Safety mission: **Andrew Osborn**, Lead Mobile Cybersecurity Architect, AT&T Public Sector Solutions
	  o Mutualink/AWS project: Michael Wengrovitz
		Vista Room AB	

	Utilities and Cybersecurity/Privacy
	➢ Chair: **Kreg Christoff**, Vice President, Motorola Solutions
	  o **James Chong**, CEO, Vidsys
	  o Smart Grid: **Gary McCarthy**, Mayor, City of Schenectady, NY, and **John P. Coluccio**, Signal Superintendent, City of Schenectady, NY
	  o Optimizing Energy and Labor Costs using secure and private connectivity: **Usha Mohan**, Chief Architect, AT&T Global Business -Public Sector Solutions
		Angle Room ABC	

	Data Platforms/Governance and Cybersecurity/Privacy
	➢ Chair: **Bob Bennett**, CIO, Kansas City, MO, additional leads: **Jason Whittet**, Rockefeller Foundation, and **Alex Huppenthal**, Aspenworks, Ltd.
	  o Hardwired Privacy by Design: **Scott Shipman**, General Counsel, Verizon Smart Communities, and **Tahir Khan**, Global Products and Solutions Information Security Officer, Verizon Smart Communities
	  o Virginia State Data Governance: **David Ihrie**, Chief Technology Officer, Center for Innovative Technology
	  o WiseTown/FIWARE/City of Independence
		Balcony Room E	*Breakouts begin on Tuesday and continue into Wednesday. Each session will begin with a few 2018 teams describing their project goals and cybersecurity/ privacy considerations, followed up by facilitated discussions by all attendees.*

	Wireless and Cybersecurity/Privacy
	
	➢ Chair: **Tony Batalla**, CTO, San Leandro, CA, and **Benny Lee**, Project Manager, San Mateo County, CA
	  o SmartWAVE, San Mateo County, CA, Roaming Wi-Fi, San Leandro, CA: **Tony Batalla**
	  o San Mateo County IoT Plans: **Benny Lee**
	  o Secure, Federated, Free Connectivity in a Digital Economy: **Khoong Hock Yun**, Chief Digital Evangelist, Info-communications Media Development Authority of Singapore (IMDA)
	  o Fybr/Amazon Web Services team
		Balcony Room D	

	Smart Agriculture & Rural and Cybersecurity/ Privacy
	
	➢ Chair: **Jean Rice**, Senior Broadband Program Specialist, NTIA, and **Debra Lam**, Managing Director, Smart Cities and Inclusive Innovation, Georgia Institute of Technology
	  o Smart Farming: **Mark Lewellen**, Manager, Spectrum Advocacy, John Deere on Smart Farming
	  o Smart agriculture innovation: **Gabriel Youtsey**, Chief Innovation Officer, University of California, Agriculture and Natural Resources
		Balcony Room C	

3:30 – 3:45 pm	**Networking Break**	
3:45 – 5:00 pm	**Plenary Cross-Connection Session (for all attendees)**	*Academy Hall ABC*
5:00 pm	**Adjourn Day 1**	

Additional Meetings on Feb 6, 2018 (Facility closes at 6pm)

➢ **Smart Building Action Cluster Launch**: 5:00-6:00pm (Vista Room AB)
NTIA, NIST and the Telecommunications Industry Association invite you to the launch of the Smart Building Action Cluster (SBAC). This SBAC will focus on the crucial nexus of smart buildings and smart communities' interoperability. We hope you will join us for the SBAC launch and brainstorming discussion.

➢ **Data Governance SuperCluster Sidebar Meeting**: 5:00-6:00pm (Angle Room ABC)
The Data Governance and Exchange SuperCluster aims to address the challenge of building a governance and exchange model for IoT data and a plan for governments and technology providers to successfully customize and deploy it. The group will work to collect best practices and produce blueprints for data exchange and governance, as well as deployed proofs to share with other teams and stakeholders.

➢ **Education SuperCluster Interest Group Meeting**: 5:00-6:00pm (Balcony Room C)
The Education SuperCluster was assembled in response to a critical need identified in other SuperClusters in GCTC. The lack of education, training, and awareness of advanced technologies in some urban environments is a major hurdle in the adoption of innovative technological applications. This group plans to identify and share best practices in areas including, but not limited to, digital awareness, online learning, and workforce development.

➢ **Public Safety SuperCluster (PSSC) Sidebar Meeting**: 5:00-6:00pm (Balcony Room D)
The PSSC is holding an informal session for Action Cluster and City Team members who want to join the Executive Leadership Team of PSSC and help define future directions in Smart Public Safety. GCTC members interested in disaster preparedness, community resilience, crisis communications, infrastructure protection, First Responder technologies, and related fields are welcome to join and help build the PSSC Team.

Wednesday, February 7, 2018		
8:00 am	*Registration and Networking*	

9:00 – 10:30 am	PLENARY SESSION
	
	CYBERSECURITY AND PRIVACY FOR SMART CITIES AND COMMUNITIES
	➢ Moderator: **Scott Tousley**, Deputy Director, CSD, DHS S&T
	   o **Erin Kenneally**, Program Manager, CSD, DHS S&T
	   o Bob Bennett, CIO Kansas City MO, Data/Governance/Privacy
	   o David Heyman, Smart City Works and Past DHS Assistant Secretary (Policy)
		Academy Hall ABC

10:30 – 10:45 am	*Break*	
10:45 am – 12:00 pm	**CONCURRENT ACTION CLUSTER TEAM BUILDING BREAKOUTS**	

	Transportation and Cybersecurity/ Privacy
	➢ Chair: **Skip Newberry** and **Wilf Pinfold**
	   o Transportation Data Analysis - **Catherine Nikolovski**, Hack Oregon
	   o City Data Security and Privacy - **Isaac Potoczny**-Jones, Tozny
		Academy Hall ABC

	Public Safety and Cybersecurity/ Privacy ➢ Chair: **Michael Dunaway** o UAS-borne wireless networks: **Kamesh Namaduri**, University of North Texas	**Vista Room AB**
	Utilities and Cybersecurity/Privacy ➢ Chair: **Kreg Christoff**, Vice President, Motorola Solutions	**Angle Room ABC**
	Data Platforms/Governance and Cybersecurity/ Privacy ➢ Chair: **Bob Bennett**, additional leads: **Jason Whittet**, and **Alex Huppenthal**.	**Balcony Room E**
	Wireless and Cybersecurity/Privacy ➢ Chair: **Tony Batalla**, and **Benny Lee**	**Balcony Room D**

	Smart Agriculture & Rural and Cybersecurity/ Privacy
	➢ Chair: **Jean Rice**, and **Mo Shakouri**, Director, Community Broadband initiative, Joint Venture Silicon Valley
	   o Telehealth: **Mahesh Nattanmai**, Chief Digital Health Strategist, New York State Health Department
	   o Results of the NSF workshop on smart and connected rural communities: **Tho Nguyen**, Department of Computer Science, University of Virginia
		Balcony Room C

12:00 – 1:00 pm	*Lunch (on your own)*	
1:00 – 3:00 pm	**CONCURRENT ACTION CLUSTER TEAM BUILDING BREAKOUTS**	
	Transportation and Cybersecurity/ Privacy	**Academy Hall ABC**
	Public Safety and Cybersecurity/ Privacy	**Vista Room AB**

During breakouts, new partners and Action Clusters continue to build and expand their teams.

At the end of the day, each group will report on the newly formed teams and potential projects.

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Utilities and Cybersecurity/Privacy	**Angle Room ABC**	*At the end of the day, each group will report on the newly formed teams and potential projects.*
Data Platforms/Governance and Cybersecurity/ Privacy	**Balcony Room E**	
Wireless and Cybersecurity/Privacy	**Balcony Room D**	
Smart Agriculture & Rural and Cybersecurity/ Privacy ➢ Chair: **Jean Rice**, and **David Logston**, Senior Director, Public Advocacy, CompTIA o Cyber Security and Privacy Issues: **Allan Freidman**, Director Cybersecurity, NTIA o Homework gap program in Virginia with partner Mid-Atlantic Broadband: **Melissa Sassi**, Program Manager, Microsoft	**Balcony Room C**	

3:00 – 4:30 pm	**BREAKOUT SESSION REPORT OUTS**
4:30 pm	**ADJOURN**

Thursday, February 8, 2018

Time	Session	
9:30 – 9:45 am	**WELCOME** ➢ NIST CPS Smart City Effort	*Academy Hall ABC*
9:45 – 11:15 am	**IES-CITY FRAMEWORK OVERVIEW**	
9:45 am	**Overview of IES-City Framework**	
10:10 am	**Framing the Opportunity (Panel)** ➢ Bob Bennett, CIO, Kansas City, MO ➢ Greg Toth, IoT Dev Lab, working with DC and Montgomery County, MD ➢ Derek Loftis, Virginia Institute of Marine Science, representing Newport News, VA ➢ Jose Gonzalez, InterInnov representing FIWARE	
10:55 am	**Day in the Life of Smart City Resident 2027**	
11:05 am	**Using the IES-City Framework**	
11:15 am	**Break**	
11:30 am – 12:35 pm	**IES-CITY FRAMEWORK DETAILS: APPLICATION FRAMEWORK**	
11:30 am	**Demo Application Framework Tool**	
11:40 am	**Breadth**	
12:00 pm	**Readiness**	
12:20 pm	**Benefits**	
12:40 pm	**Case Studies**	
12:50 – 1:50 pm	**IES-CITY FRAMEWORK DETAILS: TECHNOLOGY ANALYSIS**	
12:50 pm	**CPS Framework Concerns**	
1:10 pm	**Zones of Concern**	
1:20 pm	**Technical Analyses Results**	
1:50 – 2:10 pm	**REVIEW PROCESS AND FEEDBACK**	
2:10 pm	**ADJOURN**	

Additional Meeting on Feb 8, 2018

➢ ITE and Transportation SuperCluster sidebar meeting: 2:30-4:30pm (Academy Hall ABC)