2018

Public Safety Broadband Stakeholder Meeting

PSCR

San Diego Convention Center

DAY 1
AGENDA
Tuesday, June 5

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:

- Mission Critical Voice
- Location-Based Services
- Resilient Systems
- Public Safety Analytics
- Security
- User Interface / User Experience
- DHS Analytics

Plenary sessions will occur in room 29ABCD

Time	Session
7:00AM - 9:00AM	**COFFEE** *Available to those who elected catered registration*
6:00AM - 8:00AM	Check-In
8:00AM - 8:20AM	Welcome & Kick Off
8:20AM - 9:10AM	Keynote Address: Sue Swenson, *Chairwoman of FirstNet Board* Chief Brian Fennessy, *Fire Chief for Orange County Fire Authority*
9:10AM - 9:45AM	Public Safety Communications Research Division Program Update Dereck Orr, *Division Chief, NIST PSCR*
9:45AM - 10:00AM	**BREAK**
10:00AM - 11:00AM	Unmanned Aerial Systems Payload and Flight Time Prize Challenge Review Craig Connelly, *NIST PSCR* Terese Manley, *NIST PSCR* Kamel Saidi, *NIST PSCR* Top Challenge Participants
11:00AM - 12:00PM	International Public Safety Panel Barbara Held, *Head of Directorate Operations at BDBOS* Joe Fournier, *DRDC RDDC* Geoff Spring, *Center for Disaster Management & Public Safety* Jason Kahn, *NIST PSCR*
12:00PM - 1:30PM	**LUNCH BREAK** *Please note that lunch will not be provided*
1:30PM - 2:30PM	Public Safety Technology Alliance Panel TJ Kennedy
2:30PM - 4:30PM	**COFFEE** *Available to those who elected catered registration*
2:30PM - 2:40PM	Introduction to Conference Tracks
2:40PM - 3:00PM	**BREAK**
3:00PM - 3:50PM	Concurrent Sessions:

ROOM 29ABCD	ROOM 30A	ROOM 30B	ROOM 30C
MCV Portfolio Overview Don Bradshaw, *NIST PSCR* Jason Kahn, *NIST PSCR*	LBS Portfolio Overview Jeb Benson, *NIST PSCR*	Public Safety Analytics Portfolio Overview John Garofolo, *NIST ITL*	UI/UX Program Overview Scott Ledgerwood, *NIST PSCR,* Kevin Mangold, *NIST* Margaret Pinson, *NTIA*

| **4:00PM - 5:00PM** | **NETWORKING HOUR** |

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DAY 2
AGENDA
Wednesday, June 6

#PSCR2018

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	ROOM 29ABCD	ROOM 30A	ROOM 30B	ROOM 30C
8:00AM - 10:00AM	COFFEE *Available to those who elected catered registration*			
8:30AM-9:20AM	End-to-End Mission Critical Push-to-Talk: Sonim Robert Escalle, Jose Oscar Fajardo	Situational Awareness for Emergencies through Network Enabled Technologies: Massachusetts Institute of Technology Moe Win	SAFE-NET: An Integrated Connected Vehicle & Computing Platform: Southern Methodist University Khaled Abdelghany, May Yuan, Michael Hahsler	Resilient Systems Program Overview Eric Anderson, *NIST PSCR*
9:30AM-10:20AM	Coverage, Capacity, & Resilience Enhancement in Limited Public Safety Networks: George Washington University Hyeong-Ah Choi, Amrinder Arora	An Infrastructure-Free Localization System for Firefighters: Carnegie Mellon University Anthony Rowe	Public Safety Operations Video and Network Traffic Dataset: New Jersey Office of Homeland Security and Preparedness Andrew Weinert	Emergency Edge Supercloud: Cornell University Steve Wicker, Hakim Weatherspoon
10:30-11:20AM	Public Safety Proximity Services: Harris Dan Ericson	Ultimate Navigation Chip: University of California, Irvine Andrei M. Shkel	Real-time Open Source Data Analytics & Visualization Platform: Prominent Edge Tyler Garner	Heterogeneous Fog Communications & Computing: Spectronn R. Chandramouli
11:30AM-12:20PM	Modeling, Simulation, & Performance Evaluation: University of Washington Dr. Thomas Henderson, Collin Brady	Decimeter Accurate, Long Range Non-Line-of-Sight Radio Frequency Localization Solution: University of Michigan Hun-Seok Kim	Real-time Video Analytics for Situation Awareness: Carnegie Mellon University Alex Hauptmann, Junwei Liang	Resilient Systems Solutions for Data Sharing: Michigan Technological University Nancy HF French, Martin Swany, Micah Beck

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	ROOM 29ABCD	ROOM 30A	ROOM 30B	ROOM 30C
12:30PM-2:00PM	**LUNCH BREAK** *Please note that lunch will not be provided*			
2:00PM-2:50PM	Mission Critical Voice - Quality of Experience, Key Performance Indicators Don Bradshaw, *NIST PSCR,* Tim Thompson, *NIST PSCR,*	Indoor Mapping and Localization Using Compressive Sensing Fabio da Silva, *NIST PML*	Unified Analysis Framework & Data Comparison Center: Western Fire Chiefs Association David Blankinship, David Van Ballegooijen	DistressNet-NG: Resilient Platform for Public Safety Millimeter Wave Communications: Texas A&M Engineering Experiments Station Radu Stoleru
2:30PM - 4:30PM	**COFFEE** *Available to those who elected catered registration*			
3:00PM-3:50PM	End-to-End Research Platform for Public Safety Millimeter Wave Communications: New York University Marco Mezzavilla	First Responder Location & Mapping Services: TRX Systems, Inc. Carol Politi, Jeff Kunst	Cognitive Assistant Systems for Emergency Response: University of Virginia Homa Alemzadeh	RESPONS: Reliable Environments for Secure Police Operations and Nets: University of Colorado Sangtae Ha
4:00PM-5:00PM	**NETWORKING HOUR**			
5:00PM-6:00PM	SAFECOM Committee Meeting: 29ABCD			

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DAY 3
AGENDA
Thursday, June 7

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:

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- ■ DHS Analytics
- ■ Location-Based Services
- ■ Public Safety Analytics
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	ROOM 29ABCD	ROOM 30A	ROOM 30B	ROOM 30C
8:00AM - 10:00AM	**COFFEE** *Available to those who elected catered registration*			
8:30AM-9:20AM	**Open First:** Software Radio Systems Paul Sutton	**First Responder Indoor Location Using LTE Direct Mode:** University of Cincinnati Howard Fan	**Body-Worn Camera Analytics in Public Safety:** University of Michigan Jason Corso	**Prioritizing Your Technology Development: What First Responders Say They Want** Mary Theofanos, *NIST Usability,* Yee-Yin Choong, *NIST Usability,* Shaneé Dawkins, *NIST Usability,* Kristen Greene, *NIST Usability,* Sandra Spickard-Prettyman, *NIST Usability*
9:30AM-10:20AM	**Quality of Service, Priority, and Preemption (QPP) in Support of Mission Critical Communication** Richard Rouil, *NIST WND,* Antonio Izquierdo Manzanares, *NIST WND*	**Pervasive, Accurate, and Reliable Location- Based Services:** University of Oxford Niki Trigoni	**Information-Driven Video Communication for Public Safety Networks:** University of Cincinnati Rui (April) Dai	**PSIAP - User Interface Project Presentations** Scott Ledgerwood, *NIST PSCR* 2018 PSIAP Award Recipients
10:30AM-11:20AM	**Propagation Channel Models & System Performance:** University of Southern California Seun Sangodoyin, Andreas F. Molisch	**PerfLoc Prize Competition for Development of Smartphone Indoor Localization Applications** Nader Moayeri, *NIST ITL* Ruizhi Chen	**Multi-tiered Video Analysis for Abnormality Detection & Alerting:** University of Houston Shishir Shah, Hinrich Schidt Julie Stroup	**PSIAP - User Interface Project Presentations** Scott Ledgerwood, *NIST PSCR* 2018 PSIAP Award Recipients
11:30AM-12:20PM	**Device-to-Device System for Public Safety:** Vencore Labs Richard C. Lau, William H. Johnson, Heechang Kim, Eric Beck	**Hyper-Reality Helmet for Mapping and Visualizing Public Safety Data:** Carnegie Mellon University Dr. Yang Cai	**ETA: Extensive Tools for Analytics in Public Safety:** VOXEL 51 Jason Corso, Brian Moore	**Mobile Application Security** Bill Fisher, *NIST NCCoE,* Michael Ogata, *NIST ITL*

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12:30PM-2:00PM	**LUNCH BREAK** *Please note that lunch will not be provided*			
2:00PM-2:50PM	Off-Network Mission Critical Push-to-Talk Evaluation: Factors Impacting Access Time Yishen Sun, *NIST WND,* Wesley Garey, *NIST WND*	Highly Mobile Deployed Networks, Deployables Maxwell Maurice, *NIST PSCR,* Hien Nguyen, *NIST PSCR*	Educational Seminar on Artificial Intelligence: Carnegie Mellon University Alex Hauptmann, Zinru Yang	Securing Devices Michael Bartock, *NIST ITL,* Gema Howell, *NIST ITL*
2:30PM - 4:30PM	**COFFEE** *Available to those who elected catered registration*			
3:00PM-3:50PM	Mission Critical Open Platform: Universidad Del Pais Vasco Fidel Liberal, Jani Lyrintzis, Terry Costa	Modeling and Development of Resilient Communication for First Responders: University of California, Riverside K. K. Ramakrishnan, Murat Yuksel, Hulya Seferoglu, Jiachen Chen	Personal Area Networking and the Internet of Things Alison Kahn, *NIST PSCR*	Security of the Future Public Safety Broadband Network John Beltz, *NIST PSCR,* Sheila Frankel, *NIST ITL,* Don Harriss, *NIST PSCR,* Bill Fisher, *NIST NCCoE*
4:00PM-5:00PM	**NETWORKING HOUR**			

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DAY 4
AGENDA
Friday, June 8

#PSCR2018

Time	Event
8:00AM - 10:00AM	**COFFEE** *Available to those who elected catered registration*
8:30AM - 9:00AM	Keynote Address: Mike Poth, *CEO at FirstNet*
9:00AM - 10:00AM	FirstNet AT&T Collaborative Panel David Buchanan Tracy McElvaney Jeffrey Carl Jared Vandenheuvel
10:30AM - 11:30AM	LIVE Virtual Reality Heads-Up Display Challenge Results Dereck Orr, *Division Chief, NIST PSCR* Ellen Ryan, *Deputy Division Chief, NIST PSCR* Terese Manley, *NIST PSCR* Craig Connelly, *NIST PSCR*
11:30AM - 1:00PM	**LUNCH BREAK** *Please note that lunch will not be provided*
1:00PM - 5:00PM	Live demonstrations located in rooms 22, 23BC, & 30ABC
2:30PM - 4:30PM	**COFFEE** *Available to those who elected catered registration*

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