

2018



Public Safety Broadband Stakeholder Meeting

San Diego Convention Center

DAY 1 AGENDA

Tuesday, June 5

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:

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

Plenary sessions will occur in room 29ABCD

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
Robert Escalle

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

MCV Portfolio Overview
Don Bradshaw, *NIST PSCR*
Jason Kahn, *NIST PSCR*

ROOM 30A

LBS Portfolio Overview
Jeb Benson, *NIST PSCR*

ROOM 30B

Public Safety Analytics Portfolio Overview
John Garofolo, *NIST ITL*,
Invited Speaker: Christian G.W. Schnedler, *Analytics in NYPD, New York Police Department*

ROOM 30C

UI/UX Program Overview
Scott Ledgerwood, *NIST PSCR*,
Kevin Mangold, *NIST*
Margaret Pinson, *NTIA*

4:00PM - 5:00PM

NETWORKING HOUR

2018



Public Safety PSCR Broadband Stakeholder Meeting

San Diego Convention Center

DAY 2 AGENDA

Wednesday, June 6

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:



Mission Critical Voice



Resilient Systems



Security



DHS Analytics



Location-Based Services



Public Safety Analytics



User Interface / User Experience

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 Swamy,
Micah Beck

pscr.gov

NIST

2018



Public Safety PSCR Broadband Stakeholder Meeting

San Diego Convention Center

DAY 2 AGENDA

Wednesday, June 6

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:



Mission Critical Voice



Resilient Systems



Security



DHS Analytics



Location-Based Services



Public Safety Analytics



User Interface / User Experience

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 Almazadeh

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

pscr.gov

NIST



2018



Public Safety PSCR Broadband Stakeholder Meeting

San Diego Convention Center

DAY 3 AGENDA

Thursday, June 7

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:



Mission Critical Voice



Resilient Systems



Security



DHS Analytics



Location-Based Services



Public Safety Analytics



User Interface / User Experience

	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, <i>NIST Usability</i> , Yee-Yin Choong, <i>NIST Usability</i> , Shaneé Dawkins, <i>NIST Usability</i> , Kristen Greene, <i>NIST Usability</i> , Sandra Spickard-Prettyman, <i>NIST Usability</i>
9:30AM-10:20AM	Quality of Service, Priority, and Preemption (QPP) in Support of Mission Critical Communication Richard Rouil, <i>NIST WND</i> , Antonio Izquierdo Manzanares, <i>NIST WND</i>	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, <i>NIST PSCR</i> 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, <i>NIST ITL</i> 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, <i>NIST PSCR</i> 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, <i>NIST NCCoE</i> , Michael Ogata, <i>NIST ITL</i>

2018



Public Safety PSCR Broadband Stakeholder Meeting

San Diego Convention Center

DAY 3 AGENDA

Thursday, June 7

#PSCR2018

LEGEND FOR CONCURRENT SESSIONS:



Mission Critical Voice



Resilient Systems



Security



DHS Analytics



Location-Based Services



Public Safety Analytics



User Interface / User Experience

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

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 Lyrantzis,
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

pscr.gov

NIST



2018



Public Safety PSCR Broadband Stakeholder Meeting

San Diego Convention Center

DAY 4 AGENDA

Friday, June 8

#PSCR2018

Plenary sessions will occur in
room 29ABCD

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*