2018 June Public Safety Broadband Stakeholder Meeting

June 5th - June 8th, 2018

DAY 1

TUESDAY, JUNE 5TH

Time	Session
7:00AM - 8:00AM	**Check-In**
8:00AM - 8:10AM	**Welcome & Kick Off**
8:10AM - 9:00AM	**Keynote Address:** Sue Swenson, *Chairwoman of FirstNet Board* Chief Brian Fennessy, *Fire Chief for Orange County Fire Authority*
9:00AM - 10:00AM	**Public Safety Communications Research Division Program Update** Dereck Orr, *Division Chief, NIST PSCR*
10:00AM - 11:00AM	**Unmanned Aerial Systems Payload and Flight Time Prize Challenge Review**
11:00AM - 12:00PM	**International Public Safety Panel** Germany Australia Canada
12:00PM - 1:30PM	*Lunch *Please note that lunch will not be provided**
1:30PM - 2:30PM	**Public Safety Industry Panel**

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2:30PM - 2:40PM	**Introduction to Conference Tracks**
2:40PM - 3:00PM	*Coffee Break*
3:00PM - 3:50PM	**Concurrent Sessions:**

Concurrent Sessions:

1. Mission Critical Voice Portfolio Overview: *Don Bradshaw, NIST PSCR*
2. Location- Based Services Portfolio Overview: *Jeb Benson, NIST PSCR*
3. Public Safety Analytics Portfolio Overview: *John Garofolo, NIST ITL, Christian G.W. Schnedler, New York Police Department*
4. User Interface/ User Experience Program Overview: *Scott Ledgerwood, NIST PSCR, Margaret Pinson, NTIA*

4:00PM - 5:00PM	**Networking Hour**

DAY 2
WEDNESDAY, JUNE 6TH

8:30AM - 9:20AM

Concurrent Sessions:
1. End-to-End Mission Critical Push-to-Talk: *Sonim*
2. Situational Awareness for Emergencies through Network Enabled Technologies: *Massachusetts Institute of Technology*
3. SAFE-NET: An Integrated Connected Vehicle & Computing Platform: *Southern Methodist University*
4. Resilient Systems Program Overview: *Eric Anderson, NIST PSCR*

9:30AM - 10:20AM

Concurrent Sessions:
1. Coverage, Capacity, & Resilience Enhancement in Limited PSN: *George Washington University*
2. An Infrastructure-Free Localization System for Firefighters: *Carnegie Mellon University*
3. Public Safety Operations Video and Network Traffic Dataset: *New Jersey Office of Homeland Security and Preparedness*
4. Emergency Edge Supercloud: *Cornell University*

10:30AM - 11:20AM

Concurrent Sessions:
1. Public Safety Proximity Services: *Harris*
2. Ultimate Navigation Chip: *University of California, Irvine*
3. Real-time Open Source Data Analytics & Visualization Platform: *Prominent Edge*
4. Heterogeneous Fog Communications & Computing: *Spectronn*

11:30AM - 12:20PM

Concurrent Sessions:
1. Modeling, Simulation, & Performance Evaluation: *University of Washington*
2. Decimeter Accurate, Long Range Non-Line-of-Sight Radio Frequency Localization Solution: *University of Michigan*
3. Real-Time Video Analytics for Situation Awareness:

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	Carnegie Mellon University
	4. Resilient System Solutions for Data Sharing: *Michigan Technological University*
12:30PM - 2:00PM	*Lunch *Please note that lunch will not be provided**
2:00PM - 2:50PM	**Concurrent Sessions:**

Concurrent Sessions:

1. Mission Critical Voice - Quality of Experience, Key Performance Indicators: *Don Bradshaw, NIST PSCR*
2. Indoor Mapping and Localization Using Compressive Sensing: *Fabio da Silva, NIST PML*
3. Unified Analysis Framework & Data Comparison Center: *Western Fire Chiefs Association*
4. DistressNet-NG: Resilient Mobile Broadband Communication & Edge Computing: *Texas A&M Engineering Experiment Station*

3:00PM - 3:50PM

Concurrent Sessions:

1. End-to-End Research Platform for Public Safety Millimeter Wave Communications: *New York University*
2. First Responder Location & Mapping Services: *TRX Systems, Inc.*
3. Cognitive Assistant Systems for Emergency Response: *University of Virginia*
4. Software- Defined Radio LTE Network Testbed & RESPONS: *University of Colorado*

4:00PM - 5:00PM **Networking Hour**

DAY 3

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THURSDAY, JUNE 7TH

8:30AM - 9:20AM

Concurrent Sessions:
1. OpenFirst: *Software Radio Systems*
2. First Responder Indoor Location using LTE Direct Mode: *University of Cincinnati*
3. Body-Worn Camera Analytics in Public Safety: *University of Michigan*
4. 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*

9:30AM - 10:20AM

Concurrent Sessions:
1. Using Quality of Service, Priority and Preemption (QPP) to Balance Mission Critical Voice Needs with Situational Awareness: *Richard Rouil, NIST WND, Antionio Izquierdo Manzanares NIST WND*
2. Pervasive, Accurate, and Reliable Location-Based Services: *University of Oxford*
3. Information-Driven Video Communication for Public Safety Networks: *University of Cincinnati*
4. Public Safety Innovation Accelerator Program (PSIAP) - User Interface Award Project Presentations

10:30AM - 11:20AM

Concurrent Sessions:
1. Propagation Channel Models & System Performance: *University of Southern California*
2. PerfLoc Prize Competition for Development of Smartphone Indoor Localization Applications: *Nader Moayeri, NIST ITL*
3. Multi-tiered Video Analysis for Abnormality Detection & Alerting: *University of Houston*
4. Public Safety Innovation Accelerator Program (PSIAP)- User Interface Award Project Presentations

11:30AM - 12:20PM

Concurrent Sessions:
1. Device-to-Device System for Public Safety: *Vencore Labs*
2. Hyper-Reality Helmet for Mapping and Visualization Public Safety Data: *Carnegie Mellon University*
3. ETA: Extensible Tools for Analytics in Public Safety: *VOXEL 51*

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	4. Mobile Application Security: *John Beltz, NIST PSCR, Bill Fisher, NIST NCCoE, Michael Ogata, NIST ITL*
12:30PM - 2:00PM	*Lunch *Please note that lunch will not be provided**
2:00PM - 2:50PM	**Concurrent Sessions:** 1. Evaluation of Mission Critical Push-to-Talk Access Time in Off-Network Environments: *Yishen Sun, NIST WND, Wesley Garey, NIST WND* 2. Educational Seminar on Artificial Intelligence: *Carnegie Mellon University* 3. Highly Mobile Deployed Networks, Deployables: *Maxwell Maurice, NIST PSCR, Hien Nguyen, NIST PSCR* 4. Securing Devices: *John Beltz, NIST PSCR, Jeff Cichonski, NIST ITL, Michael Bartock, NIST ITL, Josh Franklin, NIST ITL, Gema Howell, NIST ITL*
3:00PM - 3:50PM	**Concurrent Sessions:** 1. Mission Critical Open Platform: *Universidad Del Pais Vasco* 2. Modeling and Development of Resilient Communication for First Responders: *University of California Riverside* 3. 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. Personal Area Networking and IoT: *Alison Kahn, NIST PSCR*
4:00PM - 5:00PM	**Networking Hour**

DAY 4

FRIDAY, JUNE 8TH

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8:30AM - 9:00AM	**Keynote Address:** Mike Poth, *CEO at FirstNet*
9:00AM - 10:00AM	**FirstNet AT&T Collaborative Panel**
10:00AM - 10:30AM	*Coffee Break*
10:30AM - 11:30AM	**LIVE Virtual Reality Heads-Up Display Challenge Results** Ellen Ryan, Deputy Division Chief, NIST PSCR Terese Manley, NIST PSCR Craig Connelly, NIST PSCR
11:30AM - 1:00PM	*Lunch *Please note that lunch will not be provided**
1:00PM - 5:00PM	**Live Demonstrations**