

IEEE Workshop on 5G Technologies for Tactical and First Responder Networks

The Johns Hopkins University Applied Physics Laboratory, Laurel, MD

Tuesday, October 23, 2018, 8:00 AM–6:00 PM

- 07:30–8:30 Registration, Coffee, and Breakfast
- 08:30–08:45 Welcome Address – John Forte, JHU/APL
- 08:45–09:00 IEEE Future Networks Initiative – Ashutosh Dutta, JHU/APL
- 09:00–9:30 Keynote: Path to 5G and Impacts to First Responders – Christopher Sambar, AT&T FirstNet
- 9:30–10:00 RF Convergence: From the Signals to the Computer – Thomas Rondeau, DARPA
- 10:00–10:15 Coffee Break
- 10:15–10:45 Enhancing Community Response to Aid First Responders – Thyagarajan Nadagopal, NSF
- 10:45–11:15 Networks Beyond the reach of Networks: What Roles can 5G play – Henning Schulzrinne, Columbia University
- 11:15–11:45 Modeling Device-to-Device Communications for Wireless Public Safety Networks – David Griffith, NIST
- 11:45–12:15 The Next G: What does 5G mean for Critical mean for Critical Communications and Electromagnetic Spectrum Dominance – Manuel Uhm, National Instruments
- 12:15–12:45 Commercial 5G Technology as a Building Block for Tactical Wireless Communications – Leland Brown, Issy Kipnis, Intel
- 12:45–13:45 Lunch Break (Boxed Lunch)
- 13:45–14:15 TBD – Antonio Desimone, JHU/APL
- 14:15–14:45 5G and IOT Potential Public Safety and NS/EP Impacts – Robert Dew, DHS
- 14:45–15:15 IEEE 802 Standards; Enablers of Next Generation Networking – Paul Nikolich, Rob Fish, IEEE
- 15:15–15:45 Considerations in a Brave New World of Spectrum Sharing – Fred Moorefield, DOD
- 16:00–16:30 Ultra Reliable Low Latency Communication for 5G New Radio – Rapeepat Ratasuk, Nokia Bell Labs
- 16:30–17:00 FCC Activities to support 5G – Julius Knapp, FCC
- 17:00–17:30 mmWave Communications for Public Safety Applications – Michele Zorzi, Padova University
- 17:30–17:45 Closing Remarks – Jared Everett, JHU/APL
- 18:00–20:00 Networking Reception and Demo – Howard County Room