

	Room 4A (A)	Room 4B (B)	Room 4C (C)	Room 4D (D)	Room 4E (E)	Room 4F (F)	Boulevard A Room 4G/4M (G)	Boulevard B Room 4J (H)	Boulevard C (I)	Normandie Lounge (P)	Grand Ballroom (Industry Program)
MONDAY 27 August											
7:00-17:30	Registration (Normandie Lounge)										
9:00-17:30	CAVS Symposium, Tutorials, and Workshops (See Individual entries)										
18:00-20:00	VTC - VPPC - CAVS Welcome Reception (Grand Ballroom)										
TUESDAY 28 August											
7:00-17:30	Registration (Normandie Lounge)										
8:00-8:25	Welcome: Dennis Roberson , VTC2018-Fall General Chair; Oliver Holland ; VTC2018-Fall TPC Chair; João P. Trovão , VPPC2018 General Chair; Alex Wyglinski , VTS President (Grand Ballroom)										
8:25-9:05	Keynote: Marty Cooper , Father of the Cell Phone, Dyna LLC (Grand Ballroom)										
9:05-9:45	Keynote: Ann Schlenker , Director - Center for Transportation Research, Argonne National Laboratory (Grand Ballroom)										
9:45-10:30	Keynote: Julius Knapp , Chief of the FCC's Office of Engineering and Technology, FCC (Grand Ballroom)										
10:30-11:00	Refreshments (Grand Foyer and Normandie Lounge)										
11:00-12:30	(1) Resource Management in Vehicular Networks	Intelligent Green Communications	MIMO	mm-Wave/5G Channel Modeling and Measurements	Recent Results: Interference Management	Spectrum Sensing I	Room 4G Performance Evaluation in Sensor Networks			Spectrum and Multiple Antenna Systems	5G Perspectives: Telcos
12:30-14:00	Lunch (Grand Ballroom)										
14:00-15:30	(2) Recent Results: 5G Systems and Networks	Precoding and Beamforming	Securing Vehicular Communications	Modulation and Multiple Access	Potentials of 5G and Beyond in Connected Vehicles	Channel Estimation and Synchronization	Room 4G Recent Results: Modulation and Coding			IoT, M2M, Protocols and Security	5G Perspectives: Telco Supplier & Networking Companies
15:30-16:00	Refreshments (Grand Foyer and Normandie Lounge)										
16:00-17:30	(3) Channel Estimation and Pilot Design	Device-to-Device Communications	Spectrum Sensing II	Recent Results: Massive MIMO	Recent Results: Vehicular Networks and Services I	Autonomous and Connected Vehicles	Room 4G Collaborative Perspective in Mobility	Room 4J Indoor Positioning		TVT Papers I	Regulatory Issues, Barriers and Perspectives
WEDNESDAY 29 August											
8:00-17:30	Registration (Normandie Lounge)										
9:00-10:30	Keynote Panel: Hani Mahmassani, Director NW University Transportation Center (moderator) Senior Executives from Boeing, John Deere, Canadian Pacific, AM General outline how they use advanced communications, autonomous and connectivity technologies										
10:30-11:00	Refreshments (Grand Foyer and Normandie Lounge)										
11:00-12:30	(4) MIMO Detection	Implementation and Experimentation in Positioning and Localization	Charging Infrastructure and Powertrains for Electric Vehicles	Optimization and Design in IoT, M2M, Sensor Networks, and Ad-Hoc Networking	Recent Results: Multiple Access	Recent Results: MIMO Systems	Boulevard A Emerging Technologies	Boulevard B Cloud- and Fog-RAN	Boulevard C Full-Duplex and Interference Mitigation	Localization, Positioning and Sensors in Transportation	Technology Experts expand on Applications
12:30-14:00	Lunch (Grand Ballroom)										
14:00-15:30	(5) Cellular and PHY in Vehicular Networking	Machine Learning in IoT, M2M, Sensor Networks, and Ad-Hoc Networking	Security and Performance Analysis in Wireless Networks	Data Forwarding/ Routing in Connected Vehicles	Green Edge Computing for IoT	Recent Results: Resource Allocation	mm-Wave Systems	Channel Modeling and Measurements	Cell Free Massive MIMO and MU MIMO	Radio Access, Heterogeneous and Green Networks	User Experience with Self Driving Vehicles
15:30-16:00	Refreshments (Grand Foyer and Normandie Lounge)										
16:00-17:30	(6) Green Wireless Communications	Recent Results: Vehicular Networks and Services II	Estimation and Detection in IoT, M2M, Sensor Networks, and Ad-Hoc Networking	Channel and Resource Allocation	Recent Results: Performance Evaluation I	IoT Communications and Security	MIMO Channel Characterization and Impact	Multi-Carrier and OFDM Systems I	URLLC and IoT	TVT Papers II	Aerial Networks Hybrid and Unmanned Drones
18:30-22:00	Gala Banquet (Grand Ballroom)										
THURSDAY 30 August											
8:00-16:00	Registration (Normandie Lounge)										
9:00-10:30	Keynote Panel: Danielle DuMerer , CIO, City of Chicago (Moderator), Paul Steinberg , CTO, Motorola Solutions, Robert Bell , Co-Founder Intelligent Community Forum, Hardik Bhatt , Leader, Smart Cities & Mobility Business, Amazon Web Services discuss the applications of 5G, autonomous vehicles, IoT and other advanced technologies in the community/city environment. (Grand Ballroom)										
10:30-11:00	Refreshments (Grand Foyer and Normandie Lounge)										
11:00-12:30	(7) Network Protocols in IoT, M2M, Sensor Networks, and Ad-Hoc Networking	Mobile Communications and Networking	Connectivity Beyond Vehicular Networks	Recent Results: UAVs/Drones	Recent Results: Performance Evaluation II	Radio Resource and Mobility Management	Room 4M Multi-Carrier and OFDM Systems II	Interference and Coexistence	C-RAN and Edge Computing	Antenna Systems, Signals and Propagation	Perspectives from Community/City Managers
12:30-14:00	Lunch (Grand Ballroom)										
14:00-15:30	(8) Vehicular and Satellite Systems	Practical Applications in IoT, M2M, Sensor Networks, and Ad-Hoc Networking	Traffic Management	Energy Harvesting Communications	Green Wireless Sensor Communications	Recent Results: Energy Efficiency	Boulevard A Performance Evaluation and RF Design	Recent Results: Wireless Connectivity	Fundamental Limits and Performance Analysis	Vehicular Communications and Networks	
15:30-16:00	Refreshments (Grand Foyer and Normandie Lounge)										
16:00-17:30	(9) Hardware Impact and Secret Communications	Channel Selection and Performance Testing in Vehicular Networks	Distributed Performance Optimization in Next Generation Networks	Channel Coding and Iterative Detection		Wireless Communications and Networking	Recent Results: Channel Measurements and Modeling	Intelligent Transportation	Performance Analysis of Next Generation Networks		