

(A) Simcoe	(B) Tom Thomson	(C) Jackson	(D) Carmichael	(E) Governor General	(F) Casson	(G) Osgoode East	(H) Osgoode West	(I) Varley	(P) Toronto 3	Industry Track York	
SUNDAY 24 September											
7:30-17:30	Registration (Toronto Ballroom Foyer)										
9:00-17:30	Tutorials and Workshops										
18:00-20:00	Welcome Reception										
MONDAY 25 September											
7:30-17:30	Registration (Toronto Ballroom Foyer)										
9:00-9:45	Opening & Welcome: Haim Yanikomenglu, VTC2017-Fall General Chair; Javier Gozalvez, VTS President; Christian (Cai) Chua, VTC2017-Fall Honorary Chair; Weihua Zhuang, VTC2017-Fall TPC Chair										
9:45-10:30	Keynote Address: Getting Ready for 5G, Peiyang Zhu, Huawei Technologies Canada										
10:30-11:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
11:00-12:30 (1)	Security Issues in Vehicular Networks	M2M Communications	Data Center and Cloud Computing	NOMA and SCMA Systems	Massive MIMO I	Vehicular Communications	MAC Layer Issues in Vehicular Networks	Spatial Modulation	W10: Innovations in Sustainable Spectrum Management for 5G and Beyond	Vehicular Networks	5G Radio Design
12:30-14:00	Lunch (Toronto 1 & 2 Ballroom)										
14:00-15:30 (2)	Vehicular Channels	Vehicular and Delay-tolerant Networks	Physical Layer Issues in Vehicular Networks	LTE/LTE-A	Energy Harvesting and Efficiency I	Resource Allocation and Mobility Management	Wireless Caching	Resource Allocation in Cognitive Radio Networks	W10: Innovations in Sustainable Spectrum Management for 5G and Beyond	Digital Transmission Systems	5G Network Design
15:30-16:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
16:00-17:30 (3)	Channel Measurements and Modeling	Small Cells	Wireless Security I	Wi-Fi and LAA	Software-defined and Cloud-enabled Networks	Security and Privacy in Vehicular Networks	Resource Allocation in Vehicular Networks	Estimation and Synchronization	W10: Innovations in Sustainable Spectrum Management for 5G and Beyond	Wireless Networks I	5G: A Critical Technology Enabler for Future Vertical Markets
18:30-21:30	VTC2017-Fall Gala Banquet										
TUESDAY 26 September											
8:00-17:30	Registration (Toronto Ballroom Foyer)										
9:00-9:45	Keynote: ACE Vehicles and their Impact in the 21st Century, Barrie Kirk, CAVCOE										
9:45-10:30	Keynote: The Internet Above the Clouds, Lajos Hanzo, University of Southampton										
10:30-11:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
11:00-12:30 (4)	5G RF Design	Cooperative Communications I	Broadband Wireless Networks I	Massive MIMO II	Coding Techniques	Spectrum Sharing	D2D and IoT Communications	Green Wireless Networking I	5G Techniques	5G Techniques	Current Developments and the Future of Electric Vehicles
12:30-14:00	Awards Luncheon (Toronto 1 & 2 Ballroom)										
14:00-15:30 (5)	MIMO Channels	MIMO and Beamforming	Relay and Resource Allocation	Millimeter Wave Communications I	Coverage and Resource Allocation	Transmission and Detection	Wireless and Ubiquitous Sensing	W11: From 4G to B5G Systems	Radio Access & Propagation Models	Radio Access & Propagation Models	Business, Technology and Societal Impact of Autonomous Vehicles
15:30-16:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
16:00-17:30 (6)	Resource Allocation in M2M Networks	Energy Harvesting and Efficiency II	Wireless Security II	MIMO Systems	Indoor Localization	Multiple Access Control in M2M networks	Wireless M2M Networks	W11: From 4G to B5G Systems	Multiple Antennas Systems	Multiple Antennas Systems	Key User Experiences with Connected Vehicles
WEDNESDAY 27 September											
8:00-16:00	Registration (Toronto Ballroom Foyer)										
9:00-9:45	Keynote: Wireless Powered Communication Systems as an Enabling Technology for the Internet of Things, Robert Schober, Friedrich-Alexander-University										
9:45-10:30	Keynote: How to Harness Opportunistic Resource and Capability: A Collaborative Network Design Approach, Michael Fang, University of Florida										
10:30-11:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
11:00-12:30 (7)	Millimeter Wave Communications II	Cloud RAN	EV-Grid Integration and Charging Management	5G Systems	Massive MIMO III	Applications in M2M Networks	OFDM Systems	Green Wireless Networking II	D2D Communication	Green Communication Systems	IoT Connectivity - Standard Convergence of Market Battlefield
12:30-14:00	Lunch (Toronto 1 & 2 Ballroom)										
14:00-15:30 (8)	Connected and Automated Vehicles	Performance Evaluation in M2M Networks	Broadband Wireless Networks II	Multicarrier Systems	Channel Coding	Cognitive Radio Networking	Positioning and Tracking	Performance Analysis for Vehicular Networks	Wireless Sensor Networks	Wireless Networks II	Smart Cities
15:30-16:00	Refreshments and Exhibits (Toronto Ballroom Foyer)										
16:00-17:30 (9)	Vehicular Transportation Systems	Beamforming	Cooperative Communications II	Wireless Services	Energy Efficient Transmission	Traffic Monitoring in Vehicular Networks	Detection and Equalization	Spectrum Sensing	Heterogeneous Networks	Heterogeneous Networks	Technology Challenges in Enabling Safe Drones in Urban Environments