

	Studio 1 (A)	Studio 2 (B)	Studio 3 (C)	Studio 4 (D)	Studio 5 (E)	Studio 8 (F)	Studio 9 (G)	Studio 10 (H)	
SUNDAY 18 May									
7:00-17:30	Registration (Grand Ballroom Foyer)								
8:30-17:00	Tutorials, Workshops and other events: See separate program								
18:00-20:00	VTC Welcome Reception (Grand Ballroom)								
MONDAY 19 May									
7:00-17:00	Registration (Grand Ballroom Foyer)								
8:30-9:00	Opening Plenary: Youngnam Han, VTC2014-Spring General Chair; Fabrice LaBeau, VTS President; Seong-Cheol Kim and Saewoong Bahk, VTC2014-Spring Tech Prog Chairs (Grand Ballroom)								
9:00-10:00	Keynote Plenary: Global ICT Outlook, Dr. Jae W. Byun, CTO, SK Telecom (Grand Ballroom)								
10:00-10:30	Coffee and Exhibits (Grand Ballroom Foyer)								
10:30-12:00	(1)	Localization 1	Green Networks	Association Control	Spectrum Sensing	Wireless System Design	Wireless Sensor Networks 1	Cooperative Networks 1	Precoding and Decoding
12:00-13:30	Lunch (Grand Ballroom)								
13:30-15:00	(2)	Localization 2	Energy Efficiency 1	LTE Performance Analysis	Cognitive Radio 1	Channel Estimation 1	Wireless Sensor Networks 2	Cooperative Networks 2	Massive MIMO
15:00-15:30	Coffee and Exhibits (Grand Ballroom Foyer)								
15:30-17:00	(3)	Positioning and Tracking	Energy Efficiency 2	Transmission Schemes	Cognitive Radio 2	Channel Characterization	Ad-hoc and Mesh Networks	Interference Mitigation	Modulation
18:00-20:00	Panel Discussion on 5G (Grand Ballroom)								
TUESDAY 20 May									
8:00-17:30	Registration (Grand Ballroom Foyer)								
9:00-10:00	Keynote Plenary: 5G Vision & Key Enabling Technologies, Dr. Kyungwhoon Cheun, SVP Samsung Electronics (Grand Ballroom)								
10:00-10:30	Coffee and Exhibits (Grand Ballroom Foyer)								
10:30-12:00	(4)		Resource Allocation 1	Interference Management 1	Spectrum Sharing	Transmission Techniques 1	Relaying and Routing	Beamforming	MIMO System 1
12:00-13:30	Awards Lunch (Grand Ballroom)								
13:30-15:00	(5)		Network Performance Analysis 1	Power Control	D2D	Transmission Techniques 2	OFDM	Interference Management 2	Multiuser-MIMO
15:00-15:30	Coffee and Exhibits (Grand Ballroom Foyer)								
15:30-17:00	(6)		Network Performance Analysis 2	Load Balancing and Scheduling	Non-orthogonal Multiple Access	Transmission Techniques 3	Cellular Networks	Resource Allocation 2	Interference Management 3
19:00-22:00	VTC2014-Spring Banquet (Grand Ballroom)								
WEDNESDAY 21 May									
7:30-15:30	Registration (Grand Ballroom Foyer)								
8:30-10:00	(7)	Antenna	Network Coding	Heterogeneous Network 1	Resource Allocation 3	Coding 1	Vehicular Communications	Relay Selection	Interference Management 4
10:00-10:30	Coffee and Exhibits (Grand Ballroom Foyer)								
13:30-15:00	(8)	RF Design	Wireless Networks	Heterogeneous Network 2	Coding 2	Channel Estimation 2	Transportation Communications 1	Relaying	Body-Area Networks
12:00-13:30	Lunch (Grand Ballroom)								
13:30-15:00	(9)	Propagation Modeling	Interference Management and Synchronization	Wireless LAN	Transportation Communications 2	MIMO Systems 2	Vehicular Networks	MIMO Systems 3	National Instruments Industry Session
15:00-15:30	Coffee and Exhibits (Grand Ballroom Foyer)								
15:30-17:00	(10)	Channel Modeling	Network Security	Wireless Access in LTE-A and 5G	Applications and Services	Interference Management 5	Vehicular Technologies	Two-Way Relaying	Workshop: VLCVN 2014