

	Conference Room 1 (A)	Conference Room 2 (B)	Conference Room 3 (C)	Conference Room 6 (D)	Conference Room 7 (E)	Conference Room 8 (F)	Main Auditorium B (G)	Main Auditorium C (H)	Level 1 Auditorium (I)	Conference Room 4/5 (P(a) / P(b))	
MONDAY 11 May											
7:30-17:30	Registration (Level 2 lobby)										
8:30-17:00	Tutorials, Workshops and other events: See separate program										
18:00-19:00	Welcome Reception (Glasgow City Chambers)										
19:15-late	Light Dinner and Dancing (University of Strathclyde Student Union)										
TUESDAY 12 May											
7:30-17:30	Registration (Level 2 lobby)										
8:30-9:45	Opening Plenary: Humza Yousaf, Scottish Govt Min. for Europe/International Affairs; Tariq Durrani, Honorary Chair; Javier Gozálvez & James Irvine, General Co-chairs; Fabrice Labeau, VTS President (Main Auditorium)										
9:45-10:30	Keynote: 5G: The Nervous System of the Digital Society and Digital Economy by David Soldani, Huawei (Main Auditorium)										
10:30-11:00	Refreshments and Exhibits (Level 3 foyer)										
11:00-12:30	(1) M2M Communications	Channel Measurement, Characterization and Modeling I	Performance Evaluation of Wireless Networks	Energy Efficiency & Harvesting	RF Design and Evaluation	Mobile Network Applications & Services			Panel: mmWave Technology for Telecomms	Spectrum Efficient Management, Sensing and Cognitive Radio	
12:30-14:00	Lunch (Levels 2 and 3 - see map)										
14:00-15:30	(2) Wireless Mesh Networks	Channel Measurement, Characterization and Modeling II	Radio Resource Management I	Energy Efficiency in MIMO & DAS	Channel Coding	Workshop W5	Interference Management I	Transmission Technologies I	Opportunistic Spectrum Access and TV White Space	Multiple Antenna Systems and Services	
15:30-16:00	Refreshments and Exhibits (Level 3 foyer)										
16:00-17:30	(3) D2D	Channel Estimation	Duplexing and UL/DL resource allocation	Energy Efficient Base Stations and Networks	Equalization	Workshop W5	mm-Wave and 3D MIMO	Transmission Technologies II	Cognitive and Cooperative Networks	Cooperative Communications, Distributed MIMO and Relaying	
18:15-22:00	VTC2015-Spring Banquet at Kelvingrove Museum and Art Gallery (Buses depart from TIC at 18:15)										
WEDNESDAY 13 May											
7:30-17:30	Registration (Level 2 lobby)										
8:30-9:00	IEEE VTS Awards and Introduction to Future VTCs										
9:00-10:30	Keynotes: 5G Mobile Comms: Key Enabling Techs and Recent R&D Results (Wonil Roh, Samsung Electronics); Visual Communication (Thomas Weigand, Fraunhofer Heinrich Hertz Inst) (Main Auditorium)										
10:30-11:00	Refreshments and Exhibits (Level 3 foyer)										
11:00-12:30	(4) Smart Grid and Electric Vehicles	Channel Characterization	Radio Resource Management II	MIMO Antennas and Array Signal Processing	Spectrum Sensing	Cellular and Heterogeneous Networks			Panel: Software Defined 5G Networks and Services	Transmission Technologies and Communication Theory I	
12:30-14:00	Lunch (Levels 2 and 3 - see map)										
14:00-15:30	(5) Electric Vehicles	Performance Analysis in Propagation Channels I	Channel Modeling and Estimation	Multuser MIMO	5G and Future Cellular Networks I	Mobile and Ad Hoc Networks	Interference Mitigation and Advanced CoMP Techniques	Green Cognitive Radio & WSN	Smart Resource Usage I	Transmission Technologies and Communication Theory II	Satellite Networks, Positioning and Location
15:30-16:00	Refreshments and Exhibits (Level 3 foyer)										
16:00-17:30	(6) Wireless Sensor Networks	Performance Analysis in Propagation Channels II	Performance Analysis	MIMO Transmission	5G and Future Cellular Networks II	Signal Detection	Network Coding for Cooperative Communications	Green HetNets & Cloud RAN	Smart Resource Usage II	Vehicular Electronics and Communications	Antennas, Propagation and RF Design
17:00-18:00	Exclusive Reception for VTS Members (Level 9)										
18:00-19:30	Evening Panel: What is driving 5G? (Main Auditorium)										
THURSDAY 14 May											
7:30-17:30	Registration (Level 2 lobby)										
8:30-10:00	Keynotes: Enabling Automotive IoT by Andy Birnie, Freescale; Wireless Communications for Vehicle Safety and Automated Driving by Luca Delgrossi, Mercedes-Benz (Main Auditorium)										
10:00-10:30	Refreshments and Exhibits (Level 3 foyer)										
10:30-12:00	(7) Vehicular Channel Characterization and Performance Evaluation	Indoor Localisation and Positioning	Heterogeneous Networks I	Self-Organisation and Collaboration	mmW Communications and Massive MIMO	Scheduling and Resource Allocation for Cooperative Communications	Mathworks Industry Session			Green Communications and Networks	Ad-hoc, Mesh, Machine-to-Machine and Sensor Networks
12:00-13:30	Lunch (Levels 2 and 3 - see map)										
13:30-15:00	(8) Vehicular Applications, Driver Assistance and Adaptive Traffic Lights	Localisation and Positioning Algorithms	National Instruments Industry Session	Cloud Systems and Data Mining	Network MIMO, Distributed Beamforming and Space-time Coding	Multiple Access	Heterogeneous Networks II	Interference Management II		Wireless Networks, Applications and Security	
15:00-15:30	Refreshments and Exhibits (Level 3 foyer)										
15:30-17:00	(9) Vehicular Networking, MAC and Security Protocols	Satellite Systems and Models	National Instruments Industry Session	Physical Layer Security and Cryptography	Performance Analysis of Cooperative Communications	Receiver Design	Heterogeneous Networks III	Small Cells		Wireless Access	

WORKSHOPS											
	Conference Room 1	Conference Room 2	Conference Room 3	Conference Room 4	Conference Room 5	Conference Room 6	Conference Room 7	Conference Room 8	Main Auditorium A	Main Auditorium B	Main Auditorium C
MONDAY 11 May											
7:30-17:30	Registration (Level 2 lobby)										
8:30-10:00	W4: 5G Architecture	W14: Full-Duplex Radios and Systems (DUPLO)	W9: Data Analytics for Dynamic Environments (DADE2015)	W7: Self-Organizing Networks (IWSON)	W8: Intelligent Design and Performance Evaluation of LTE-Advanced Networks	W6: Emerging Device Centric Communications in 5G	W11: Heterogeneous Networking for the Internet of Things	(see Tutorials)	W16: 5G New Air Interface	W2/W3: Emerging MIMO Technologies and Millimeter-waves for 5G Networks	W1: 5G Mobile and Wireless Communication Systems for 2020 and Beyond
10:00-10:30	Coffee and Refreshments (Level 3 foyer)										
10:30-12:00	W4: 5GArch 2015	W14: DUPLO	W9: DADE 2015	W7: IWSON	W8: LTE-Advanced Networks	W6: Emerging DCC	W11: Het Net for IoT	(see Tutorials)	W16: 5G New Air Interface	W2/W3: Emerging MIMO	W1: MWC2020
12:00-13:30	Lunch available in Level 2 Café										
13:30-15:00	W4: 5GArch 2015	W14: DUPLO	W10: Global and Social Resource Sharing in/through Wireless Networks	W7: IWSON	W12: Service-Oriented Computing in Disconnected, Intermittent and Limited Networks	W13: Integrating Communications, Control, Computing Technologies for Smart Grid	W11: Het Net for IoT	(see Tutorials)	W16: 5G New Air Interface	W2/W3: Emerging MIMO	W1: MWC2020
15:00-15:30	Coffee and Refreshments (Level 3 foyer)										
15:30-17:00	W4: 5GArch 2015	W14: DUPLO	W10: Resource Wireless Net 2015	W7: IWSON	W12: SOC-DIL	W13: ICT4SG	W11: Het Net for IoT	(see Tutorials)	W16: 5G New Air Interface	W2/W3: Emerging MIMO	W1: MWC2020
18:00-19:00	Welcome Reception (Glasgow City Chambers)										
19:15-late	Light Dinner and Ceilidh (University of Strathclyde Student Union)										

TUTORIALS				
	Royal College R4.32	Royal College R4.48	Conference Room 8	Royal College R4.46
MONDAY 11 May				
7:30-17:30	Registration (Level 2 lobby)			
8:30-10:00	T1: Collaborative Near-Capacity Wireless System Design	T3: Visible Light Communications	T5: The Path Towards 5G—Essential Technologies, Protocols and Tools for Enabling 5G Mobile Communications	T7: Real World Desktop Software Defined Radio using the RTL-SDR
10:00-10:30	Coffee and Refreshments (Level 3 foyer)			
10:30-12:00	T1: Collaborative Near-Capacity Wireless System Design	T3: Visible Light Communications	T5: The Path Towards 5G—Essential Technologies, Protocols and Tools for Enabling 5G Mobile Communications	T7: Real World Desktop Software Defined Radio using the RTL-SDR
12:00-13:30	Lunch available in Level 2 Café			
13:30-15:00	T2: Multi Objective Optimization Techniques for Designing Next-Generation Autonomous Communication Networks	T4: Communication Architectures and Networks for Electric Vehicles in the Smart Grid	T6: Optimizing 5G Networks for Energy-Efficiency: Dense or Massive MIMO or Both?	T7: Real World Desktop Software Defined Radio using the RTL-SDR
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