

09:30	Arrival and refreshments
10:00	Chair welcome and introduction Morning Chair Costas Constantinou, Antennas and Propagation TPN Executive Committee Member
10:10	Performance Testing of Novel Technologies for 5G and Beyond Mark Beach, University of Bristol
10:40	On SINR-EVM relationship of MIMO wireless communication with open-loop transmit diversity scheme Min Wang, NPL
11:00	Propagation Channel Characterization and Ranging Performance Evaluation of Wireless Ranging Sensor Network in Controlled RF Anechoic Chamber Divya Unnikrishnan, NPL
11:20	Design of Dual-Band Compact Terminal Antenna Inspired by Composite RightLeft-Handed Transmission Line Wei Hu, Xidian University
11:40	Refreshment Break & Networking
12:00	Beam-Steered Millimetre-wave and THz antennas for future communication systems Alex Feresidis, University of Birmingham
12:30	Polarization-handedness-dependent Omnidirectional Conical Leaky Wave Radiation Dr Miguel Navarro-Cia, University of Birmingham
12:50	Time-frequency Angular Momentum Modulation and Wavelet Multiplexing of Spread Spectrum Signals Professor Gaoyong Luo, Guangzhou University
13:10	Lunch Break & Networking
	Afternoon Chair Richard Rudd, Antennas and Propagation TPN Executive Committee Member
14:10	Architecture for Agile Multi-standard 5G RF Front-end Prof. Raed Abd-Alhameed, University of Bradford
14:40	Direct Antenna Modulation for Next Generation Wireless Networks Stephen Henthorn, University of Sheffield
15:00	Wideband and Compact Dual-Polarized Antennas for Base Station Applications Dr Qi Luo, University of Kent
15:20	Refreshment Break & Networking
15:40	Compact Butler Matrix Multibeam Network for 5G Communications Dr Qi Luo, University of Kent
16:00	Empty Substrate Integrated Waveguide Planar Slot Antenna Array for 5G Applications Zia Ullah Khan, QMUL
16:20	Results from the 5G mmWave V2X trials at the WMG Meridian Midlands Future Mobility CAV Testbed Dr Matthew Higgins, University of Warwick
16:40	Closing remarks
16:45	Close