Radio Propagation and Technologies for 5G

Durham University, UK - 03 October 2016

Programme

09:30 Arrival and refreshments

10:00 Welcome

10:10 Keynote speaker: Professor Hamid Aghvami, Kings College

10:40 An Overview of Massive MIMO Research at the University of Bristol Paul Harris, University of Bristol, UK

11:00 Break and poster session*

11:30 Keynote speaker: Technologies for 5G Reza Arefi, Intel, US

12:00 Hybrid precoding and combining in millimeter wave MIMO systems Aryan Kaushik, The University of Edinburgh, UK

12:20 Millimetre Wave Three-Dimensional Beam Tracking Based on Handset MEMS Sensors with Extended Kalman Filtering Zichen Qi, University of Sheffield, UK

12:40 New User Scheduling for Massive MIMO Systems with Geometry-Based Stochastic Channel Model

Manijeh Bashar, University of York, UK

13:00 Lunch and poster session*

14:00 Keynote speaker: Joe Butler, National Infrastructure Commission, UK

14:30 Testing 5G: Evolution or revolution? Moray Rumney, Keysight Technologies, UK

14:50 Break and poster session*

15:20 Indoor radio propagation measurements in the V-band Sana Salous, Durham University, UK

15:40 Building entry loss for 5G systems Richard Rudd, Plum Consulting Ltd, UK

16:00 Closing remarks Event Close

Presentation titles and speakers are subject to change *See reverse for full poster details

* Poster session

P1. Reducing Mobile Equipment Uplink Transmission Power in LTE Through Okumura-Hata Propagation Models Charernkiat Pochaiya, University of Reading, UK

P2. High quality filter for high traffic load short range high bandwidth future communication networks at THz frequencies Andreas Klein, Durham University, UK

P3. Maritime Channel Analysis for Millimeter Radiowaves

Kemal Ozdemir, Istanbul Sehir University, Turkey

P4. An overview small and large scale effects found at millimetre wave

Alberto Loaiza, University of Bristol, UK