

PROGRAMME

09.30	Registration and refreshments
10.00	Chair's welcome and introduction Xiaobang Shang, RF and Microwave TN Committee Member
10.05	Invited: Millimetre wave radio systems for 4G and 5G mobile backhaul Professor Andy Sutton, <i>BT, UK</i>
10.30	Millimeter wave traveling wave tubes for enabling long range gb/s wireless links R Basu, J N Rao, N Rennison, B Rodgers, R Letizia, C Paoloni, <i>Lancaster University, UK</i>
10.50	Amateur radio at millimetre frequencies R Ray, <i>RN Electronics Ltd, UK</i>
11.10	Refreshments, posters and networking
11.40	Invited: Building a national measurement capability for the millimetre- and submillimetre-wave frequency ranges Professor Nick Ridler, <i>National Physical Laboratory (NPL), UK</i>
12.05	Invited: Dielectric measurements at millimetre-wave frequencies with the material characterisation kit Dr Alexandre Dimitriadis, <i>SWISSto12</i>
12.30	Invited: Antenna measurement at millimetre wave frequencies Dr Zhengrong Tian, <i>National Physical Laboratory (NPL), UK</i>
12.55	Lunch, posters and networking
14.10	Invited: Passive terahertz circuits from different manufacturing technologies Professor Michael Lancaster, <i>University of Birmingham, UK</i>
14.35	Flat plate all-metal corrugated antennas at low THz frequencies D Kampouridou, A Feresidis, <i>University of Birmingham, UK</i>
14.55	Microwave oscillator ultrasound receivers T S Robbins, J Seddon, E Alles, A E Desjardins, C C Renaud, <i>University College London, UK</i>

15.15	Refreshments, posters and networking
15.45	Interference issues for millimetre-wave and sub-terahertz automotive radar sensors A G Stove, <i>University of Birmingham, UK</i>
16.05	R4AsH: designing a triple frequency laboratory experiment for characterising the radar signature of falling volcanic ash D G Macfarlane, D A Robertson, <i>University of St Andrews, UK</i> And Using millimetre wave radar to map Rhône Glacier in Switzerland W D Harcourt, D A Robertson, D G Macfarlane, <i>University of St Andrews, UK</i> , B R Rea, M Spagnolo <i>University of Aberdeen, UK</i>
16.30	Evaluation of a 300 GHz near field antenna measurement system Chong Li, <i>University of Glasgow, UK</i>
16.50	Chair's final remarks and close

Posters

1	Spanning 70 kHz to 220 GHz for single sweep VNA measurements utilizing non-linear transmission line technology S Reyes, Anritsu Company
2	Total internal reflection geometry for near-field mm-wave imaging L E Barr, P Karlsen, S H Hornett, I R Hooper, E Hendry, <i>University of Exeter, UK</i> , C R Lawrence, <i>QinetiQ Farnborough, UK</i>
3	Drone classification by millimetre-wave radar system S. Rahman, D A Robertson, <i>University of St Andrews, UK</i>