



8th Millimetre-wave Users Group meeting
National Physical Laboratory
1 October 2010

Agenda

09:30 to 10:00 – Registration and coffee

10:00 to 11:10 - Session I

- Welcome and introductions
- THz Communications - *Richard Dudley*, National Physical Laboratory
- Latest progress on the development of sub-millimetre wave sub-harmonically pumped image rejection mixers – *Simon Rea*, Rutherford Appleton Laboratory

11:10 to 11:30 - Coffee

11:30 to 12:30 – Session II

- Work towards traceable power standards above 110 GHz - an update on NPL's activities - *John Howes*, National Physical Laboratory
- Micromachined millimetre-wave slotted waveguide antenna - *Yi Wang, Maolong Ke, Michael J. Lancaster*, University of Birmingham

12:30 to 13:30 - Lunch

13:30 to 15:00 – Session III

- Using precision dowels for flange alignment of WR-05 waveguides (140 GHz to 220 GHz) - *Martin Salter*, National Physical Laboratory
- Characterisation of solid absorbers at W-band - *Duncan Robertson*, University of St Andrews
- Complex waveguide structures for control of electromagnetic radiation - *Adrian W. Cross*, University of Strathclyde

15:00 to 15:20 - Coffee

15:20 to 16:30 – Session IV

- Low power signal detection in emerging transferred electron devices using vector network analyser above 100 GHz – *Chong Li*, University of Glasgow
- News update on standardising metallic waveguides for use above 110 GHz - *Nick Ridler*, National Physical Laboratory

16:30 – Meeting close

