

**Centre for THz Science and Engineering Workshop 2014**

Wednesday 19<sup>th</sup> November

Room 611, Electrical and Electronic Engineering, Imperial College London

- 09:30 Registration – Tea/Coffee
- 09:45 Welcome – Norbert Klein
- 10:00 "Fundamentals and applications of spoof surface plasmon polaritons"  
*Stefan Maier – Imperial College London*
- 10:30 "THz spectroscopy and imaging for pharmaceutical science"  
*Axel Zeitler – University of Cambridge*
- 11:00 "Studies of biological systems with high intensity terahertz radiation."  
*Peter Weightman – University of Liverpool*
- 11:30 "Teracell: Probing the THz response of biological cells"  
*Stephen Hanham – Imperial College London*
- 11:45 Tea/Coffee Break
- 12:00 "Quasi-optical solutions for the emerging THz market"  
*Rostyslav Dubrovka – Queen Mary, University of London*
- 12:30 "Research and commercial applications of THz Schottky diodes"  
*Byron Alderman – RAL Space*
- 13:00 "IPHT Jena and Rohde and Schwarz collaborative projects in the field of THz"  
*Torsten May – IPHT Jena*
- 13:30 Buffet Lunch
- 14:30 "Lithographically-defined terahertz waveguides for spectroscopy, imaging, and sensing applications"  
*John Cunningham – University of Leeds*
- 15:00 "Integrated sub-wavelength aperture THz probes for imaging and spectroscopy"  
*Oleg Mitrofanov – University College London*
- 15:30 "Photonic crystal switches and attenuators"  
*William Otter – Imperial College London*
- 15:45 Tea/Coffee Break
- 16:00 "Identification of fibre by THz spectroscopy"  
*John Molloy – National Physical Laboratory*
- 16:30 "Secure thermal infrared communications using engineered blackbody radiation"  
*Fangjing Hu – Imperial College London*
- 16:45 "Quasi-optical THz devices based on metamaterials"  
*Miguel Navarro-Cia – Imperial College London*
- 17:00 Closing Remarks - Stepan Lucyszyn

Attendance is free.

Prior registration required via email to [s.brace@imperial.ac.uk](mailto:s.brace@imperial.ac.uk)

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