

**100 years of superconductivity: new science and perspectives II**

Chair(s): J Durrell (Cambridge University, UK)

G Burnell (University of Leeds, UK)

**Tuesday 14 December 2010**

- 16.00 Invited: AC losses in MgB<sub>2</sub> superconductors**  
Y Yang (University of Southampton, UK)
- 16.30 Vortex imaging in Sr<sub>2</sub>RuO<sub>4</sub> single crystals**  
P Curran (University of Bath, UK)
- 16.45 Ultrafast modulation of the superconducting properties of a thin film using picosecond strain pulses**  
R Beardsley (University of Nottingham, UK)
- 17.00 Strong-coupling superconductivity beyond BCS and the key pairing interaction in cuprate superconductors**  
A S Alexandrov (Loughborough University, UK)
- 17.30 The working and evolution of magnetic resonance imaging**  
M Lakrimi (Siemens Magnet Technology, UK)
- 17.45 Asymmetric long Josephson junction acting as a ratchet for a quantum field**  
S Savel'ev (Loughborough University, UK)
- 18.00 End of symposia**