

**Nanophysics at low temperatures**  
Chair(s): Chris Mellor (University of Nottingham, UK)

**Tuesday 14 December 2010**

- 13.30 Invited: Carbon nanotubes as ultra-high quality factor mechanical resonators – and much more!**  
A Hüttel (University of Regensburg, Germany)
- 14.00 Dissipation in high stress silicon nitride nanomechanical resonators at low temperatures**  
K Lulla (University of Nottingham, UK)
- 14.15 Luminescence of ZnO nanocrystals**  
E Faulques (University of Warwick, UK)
- 14.30 A novel system for providing a 4.5 Tesla rotating vector combined with ultra low temperature capability to study quantum effects in semiconductor nanostructures**  
R Mitchell (Cryogenic Ltd, UK)
- 14.45 Delocalized-localized transition of disordered phonons**  
S Pinski (University of Warwick, UK)
- 15.00 Magnetic ordering of adatoms in graphene**  
Y Sherkunov (Lancaster University, UK)
- 15.15 Excitonic condensation in two-layer graphene**  
Y Suprunenko (Lancaster University, UK)
- 15.30 End of symposia**