

University of Cambridge – The University of Tokyo Joint Workshop on Quantum Nanostructures

Monday, 23 November 14:00 ~ 17:30
Seminar Room 531, Cavendish Laboratory

Programme

- 13:55 Opening
- 14:00 *Quantum Light Sources Using InAs Quantum Dots*
David Ritchie (Professor, Head of Semiconductor Physics Group)
- 14:20 *Quantum Dot Growth Technology by MBE for Advanced Photovoltaics*
Yoshitaka Okada (Professor, RCAST)
- 14:40 *Single-Electron Ping-Pong*
Chris Ford (Professor, Cavendish Laboratory)
- 15:00 *Tailoring Optical Absorption and Emission in Solar Cells Using Quantum Semiconductor Heterostructures (Invited)*
Ned Ekins-Daukes (Senior Lecturer, Imperial College London)
- 15:20 Coffee break
- 15:40 *Photocarrier Kinetics in Quantum Dot Superlattice*
Ryo Tamaki (Assistant Professor, RCAST)
- 16:00 *Investigating Quantum Phenomena in Nano-Structures*
Charles Smith (Professor, Cavendish Laboratory)
- 16:20 *Fingerprint of Kondo Resonance in Co-TPP Molecule Coupled to CuN Atomic Layer: A Combined LT-STs and DFT-NEGF Study*
Tomah Sogabe (Associate Professor, RCAST)
- 16:40 Closing
- 17:00 Lab. Tour