“Condensed Matter Physics and Quantum Information”:
a CM-DTC summer school

Monday 1st Thursday 11th September 2014
Macdonald Aviemore Highland Resort, Scotland

This is a residential summer school and we welcome applications from all postgraduate students. The school will consist of a series of lectures on key topics relating to condensed matter physics and quantum information. Topics include: density-matrix renormalisation group; matrix product states; topological quantum computation; quantum dot architectures; superconducting qubits; and many-body localisation. These will be supplemented by problem classes and various evening events.

Lecturers confirmed to date:
- Dr Bela Bauer (Microsoft Research Station Q)
- Dr Stephen Clark (University of Oxford)
- Dr Sarah Croke (University of Glasgow)
- Professor Andrew Daley (University of Strathclyde)
- Dr Peter Leek (University of Oxford)
- Professor Charlie Marcus (Niels Bohr Institute)
- Professor Vadim Oganesyan (City University of New York)
- Professor Kirill Shtengel (University of California)

There is no registration fee for this school. However, participants from outside the CM-DTC will be asked to cover their own travel and accommodation costs. The total cost for accommodation, including all meals, is £880 per person in single occupancy accommodation. If you are travelling with a colleague and can share the accommodation then twin rooms are available at a cost of £590 per person.

The deadline for registration is Thursday 22 May 2014. Limited bursaries may be available for some participants: if you require financial support please enquire.

For further information or to register, please contact Christine Edwards, School of Physics & Astronomy, University of St Andrews by e-mail: cae10@st-andrews.ac.uk or by telephone +44 (0)1334 463102

For more information on the CM-DTC please see our website: http://cm-dtc.supa.ac.uk/