



The Scottish Doctoral Training Centre
in Condensed Matter Physics

Summer School 2010 Foundations of Condensed Matter Physics

Monday 30 August to Wednesday 8 September 2010
University of St Andrews, Fife, 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 of condensed matter physics, backed up by tutorial sessions, evening seminars and a poster session. Topics that we hope to include are the physics of soft matter, low-temperature physics, quantum phase transitions, the many-body problem in cold-atom physics, magnetism, and neutron scattering.

Lecturers

- Professor George Pickett (University of Lancaster)
Quantum fluids and low temperature physics (5 lectures)
- Professor Des McMorrow (London Centre for Nanotechnology)
X-ray and neutron scattering (6 lectures)
- Professor Gordon Baym (University of Illinois at Urbana-Champaign)
Ultracold atoms and superfluidity (6 lectures)
- Professor Paul Chaikin (New York University)
Topics from soft condensed matter (6 lectures)
- Professor Andy Mackenzie (University of St Andrews)
Quantum Phase Transitions (5 lectures)

There will be no registration fee since CM-DTC will cover the costs of providing the courses. 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 £500.

The deadline for registration is **15 July 2010**. Limited bursaries will be available for some participants. For further information or to register please contact:

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