

UK Graduate Summer School in Condensed Matter Theory

Physics by the Lake

Cumberland Lodge, Windsor Great Park – July 30 - Aug 10 2018



Features core lecture courses in condensed matter physics:

- ❖ Strongly correlated quantum systems (Dr Chris Hooley, St Andrews)
- ❖ Statistical mechanics (Dr Richard Blythe, Edinburgh)
- ❖ Electrons in solids (Dr Martin Lüders, Daresbury)
- ❖ Cold matter and quantum fluids (TBA)

and additional courses on a range of applications such as:

- ❖ Quantum information processing (Prof Andrew Fisher, UCL)
- ❖ Soft condensed matter (Dr Buddhapriya Chakrabarti, Sheffield)
- ❖ Physics of biological evolution (Dr Bartłomiej Waclaw, Edinburgh)
- ❖ Topological matter (Dr Sam Carr, Kent)
- ❖ Mesoscopic physics and quantum coherence (Dr Ed McCann, Lancaster)

Plus tutorials, research seminars and the chance to meet like-minded PhD students in beautiful surroundings

The school is aimed at condensed matter theorists in their 1st or 2nd year of a PhD

It is also accessible to experimentalists with an interest in theoretical topics

All meals and accommodation are included

The full fee for the school is £1400 which should be covered by students' training budgets

Some bursaries may be available in individual cases

International students are welcome

Full details at physicsbythelake.org

Apply by 21st April 2018 at physicsbythelake.org

Organisers: Prof Graeme Ackland (School of Physics and Astronomy, University of Edinburgh); Dr Sam Carr (School of Physical Sciences, University of Kent)