

EPSRC UK Graduate Summer School in Condensed Matter Theory

Physics by the Lake

Cumberland Lodge, Windsor Great Park – August 7-19 2016



Features core lecture courses in condensed matter physics:

- ❖ Strongly correlated quantum systems – Chris Hooley, St Andrews
- ❖ Statistical mechanics – Richard Blythe, Edinburgh
- ❖ Electrons in solids – Martin Lüders, Daresbury Laboratory
- ❖ Cold matter and quantum fluids – Marzena Szymanska, University College London

and additional courses on a range of applications including

- ❖ Quantum information processing – Andrew Fisher, London Centre for Nanotechnology
- ❖ Soft condensed matter – Buddhapriya Chakrabarti, Durham
- ❖ Physics of biological evolution – Bartłomiej Waclaw, Edinburgh
- ❖ Superconductivity – Jorge Quintanilla, Kent
- ❖ Topological matter – Sam Carr, Kent
- ❖ Mesoscopic physics – Eran Ginossar, Surrey

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 £1350

A reduced fee of £200 applies to EPSRC-funded students and UK-based students who would have qualified for such funding

Other UK-based students may apply for a contribution towards the fee from the IOP

International students are welcome

Full details at physicsbythelake.org

Apply by 1st May 2016 at physicsbythelake.org

Organisers

Dr Eran Ginossar, (Department of Physics, University of Surrey, Guildford GU2 7XH)

Dr Sam Carr, (School of Physical Sciences, University of Kent, Canterbury, CT2 7NH)

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**Theory of Condensed
Matter Group**