

UK Graduate Summer School in Condensed Matter Theory Physics by the Lake

University of Stirling – August 1 - 12 2022



Features core lecture courses in condensed matter physics:

- ❖ Electrons in solids (Prof Niels Walet, Manchester)
- ❖ Statistical mechanics (Prof Richard Blythe, Edinburgh)
- ❖ Strongly correlated quantum systems (Dr Chris Hooley, St Andrews)

and additional courses on a range of applications including:

- ❖ Cold quantum fluids (TBC)
- ❖ Mesoscopic physics (Dr Ed McCann, Lancaster)
- ❖ Quantum information for quantum matter (Dr Zlatko Papić, Leeds)
- ❖ Topological phases of matter (Dr Sam Carr, Kent)

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 £1000 which should be covered by students' training budgets

Students may be able to apply to the IOP for additional support

International students are welcome

Full details at physicsbythelake.org

Apply by 27th May 2022 at physicsbythelake.org

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



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