

UK Graduate Summer School in Condensed Matter Theory

# Physics by the Lake

University of Stirling – August 5 - 16 2019



## Features core lecture courses in condensed matter physics:

- ❖ Strongly correlated quantum systems
- ❖ Statistical mechanics
- ❖ Electrons in solids
- ❖ Cold matter and quantum fluids

## and additional courses on a range of applications such as:

- ❖ Quantum information processing
- ❖ Soft condensed matter
- ❖ Physics of biological evolution
- ❖ Topological matter
- ❖ Mesoscopic physics and quantum coherence

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](http://physicsbythelake.org)

**Apply by 28th April 2019 at [physicsbythelake.org](http://physicsbythelake.org)**

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



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