

Date and Venue: 3-15 September 2017, St. Anne's College, University of Oxford. **About the School**

: The school is intended primarily for scientists, student and postdoctoral researchers, who are new to the field of neutron scattering. It provides an excellent introduction to the field, which is developed through to its application in contemporary research. Lectures and tutorials covering all aspects of the theory and practice of a variety of neutron scattering techniques will be given by international experts. Students will gain a comprehensive grounding in modern techniques and applications at both steady state and pulsed neutron sources and have the opportunity to hear about the latest research being carried out with the technique.

Programme:

The first week of the school introduces students to the core concepts of the theory of neutron scattering, neutron sources and instrumentation, and neutron diffraction. By the end of the first week, the school moves to more specialised neutron scattering techniques. Among the techniques covered are: inelastic scattering, imaging techniques, small-angle scattering, reflectometry, neutron-spin-echo and quasi-elastic neutron scattering. In the final two days of the course, students can choose to follow three of the following six scientific subject areas; magnetism, soft matter, biology, engineering, chemical applications and disordered materials. The students will also be asked to make short presentations to their peers about their current research projects and work in pairs to write a beamtime proposal. The students will also have the opportunity to visit the ISIS Pulsed Neutron and Muon Facility in Didcot.

Application:

To apply for the school you will need to submit a personal statement and a statement from your academic supervisor that will be used in the selection process. Applications should arrive no later than the 1st May 2017. The course is normally highly oversubscribed, so we encourage applicants to apply in plenty of time, as late applications will not be accepted. Applicants are selected for the course based on their requirements for neutron scattering techniques as part of their present and future research activities. Applicants will be notified shortly after of the outcome of their application. The school is open to all applicants worldwide.

To apply please visit

https://docs.google.com/forms/d/e/1FAIpQLSdvRDH2d4ZYZsqxW5py5jDMEu4tg2Dq5_2GjuqbVBh1s2ifOQ/viewform

Fees:

School fees for 2017 are £550 (~ €640) per residential student which includes the cost of a bedroom during the school, breakfast and evening meals, teaching materials, drinks reception and the gala dinner. There are 50 residential places available. There are also 10 non-residential places for students who do not require local accommodation, at a school fee of £150 (~ €175), which includes teaching materials, drinks reception and gala dinner. Fees will be payable once the names of successful applicants have been announced.

Organisers:

Victoria García Sakai, Ross Stewart, Luke Clifton and Sean Langridge (ISIS); Andrew Boothroyd (Oxford University).

Website:

<http://www.oxfordneutronschool.org>

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