

Hercules Specialised Course (HSC11)

Grenoble

The Hercules Specialised Course (HSC11) on "*Application of Neutron and Synchrotron Radiation to Magnetism*" will take place at the ESRF/ILL in Grenoble, from 16 to 20 November 2009.

The deadline for registration is: 24 August 2009.

Scope of this Hercules Specialised Course :

Since the 1940s, neutron scattering has been an essential tool for the investigation of magnetic structures and dynamics. More recently, the intensity and flexibility of synchrotron radiation has been exploited for application to research in magnetism. Developments in instrumentation and techniques mean that the two forms of radiation can be used to give complementary information with never before seen detail.

The first two days of this course will consist of lectures covering the basics of neutron and synchrotron experimental techniques, with their application to magnetism. There will also be lectures discussing the state of the art in the study of magnetism, showing the vital role that neutron and synchrotron radiation play.

Experimental training on instruments at the ILL and the ESRF is a feature of Hercules schools. Practicals on four different instruments will be offered over a two day period, with in-house scientists supervising the experiments. The students will be shown how to treat, interpret, and fit the data that they have collected during these practicals in tutorials held on the final day.

You will find all necessary information on the course and on the registration procedure on our website:

<http://www.esrf.fr/events/conferences/HSC/HSC11>

If you are not directly concerned by these courses, could you please forward this email to PhD students, Post-Doc scientists or junior scientists who might be interested.

Best regards,
The HSC11 organisers