

**XII School of Neutron Scattering (SoNS)  
“Francesco Paolo Ricci”**

**“INTRODUCTION TO THE THEORY AND TECHNIQUES OF  
NEUTRON SCATTERING AND APPLICATIONS TO CULTURAL  
HERITAGE”**

**30 April – 9 May 2014**

**A Course within the International School of Solid State Physics**

**ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC  
CULTURE, Erice (I)**

**Application deadline: 1<sup>st</sup> April 2014**



**Application is now open** for the XII School of Neutron Scattering (SoNS) “Francesco Paolo Ricci”: Introduction to the theory and techniques of neutron scattering and applications to Cultural Heritage. The school will be held at the ETORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE, Erice (Sicily, I) as a specialized course within the International School of Solid State Physics (Director: Giorgio Benedek), between the 30<sup>th</sup> April and the 9<sup>th</sup> of May 2014

The course is normally highly oversubscribed, so we encourage applicants to apply early, as late applications will not be accepted. Students are selected for the course based on their need to utilize neutron scattering techniques as part of their present and/or future research activities.

The school provides an excellent introduction to neutron scattering which is developed through its application in contemporary research. As such, it is ideally suited to graduate students and postdoctoral researchers. The school consists mainly of lectures and tutorials covering both the theory and technical aspects of neutron scattering with a particular emphasis on applications to Cultural Heritage. In addition to lectures on theory, sources, and neutron instrumentation, students will be tutored by world leading experts in the various scattering

techniques including diffraction, quasi-elastic and inelastic scattering, imaging, small-angle scattering, reflectometry, and neutron-spin-echo.

**Accommodation** of participants is organized by the Ettore Majorana Foundation (EMFCSC) either in their premises or in local hotels on the basis of the indications provided by the Organizing Committee and by participants in the Travel Form. Special requests should be addressed to the School Scientific Secretary, [school\\_fpricci@its.me.cnr.it](mailto:school_fpricci@its.me.cnr.it).

### **Registration**

To apply, click **here**. Places at the school are in high demand. To register you will need to fill out the travel form, submit a 'personal statement' and a 'statement from your supervisor'. Travel forms **must be returned to [andersonian@ornl.gov](mailto:andersonian@ornl.gov) with copy to [school\\_fpricci@its.me.cnr.it](mailto:school_fpricci@its.me.cnr.it)**. Applications should arrive no later than the 1<sup>st</sup> of April 2014.

The **Registration Fee** is €900 per student. School fees include the cost of lodging during the school, breakfast, evening meal, teaching and all course materials. There are 25 residential places available.

**Payment by bank transfer** should be made to:

Account name: School Of Neutron Scattering "Francesco Paolo Ricci"

Bank Name: BANCA UNICREDIT Agenzia ROMA II Universita' Tor Vergata (30075)

IBAN: IT83R0200805168000101604596

BIC/SWIFT code: UNCRITM1B45

A web site for on-line payment will be available in the near future.

Director: Ian Anderson (Oak Ridge National Laboratory, US)

Vice Directors: Gabriele Salvato (CNR, I), Antonella Scherillo (CNR, I - ISIS, UK)

For further information, visit:

<http://www.sonsfpricci.org>



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