

**2<sup>nd</sup> Course of ERICE School “NEUTRON SCIENCE AND INSTRUMENTATION”**  
**XIV School of Neutron Scattering “Francesco Paolo Ricci” (SoNS)**

**“DESIGNING AND BUILDING A NEUTRON INSTRUMENT ”**

**1<sup>st</sup> April – 9<sup>th</sup> April 2016**

**ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE, ERICE (IT)**

**Application deadline: 1 March 2016**



**Application is now open** for **“Designing and Building a Neutron Instrument”** – the 2<sup>nd</sup> Course within the Erice School **“Neutron Science and Instrumentation”** (Directors: Ian S Anderson, Carla Andreani and Roberto Caciuffo) and the XIV School of Neutron Scattering (SoNS) **“Francesco Paolo Ricci”**. The course will be held at the **ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE**, Erice (Sicily, IT) between the 1<sup>st</sup> April and the 9<sup>th</sup> of April 2016. The School is normally highly oversubscribed, so we encourage applicants to apply early, as late applications will not be accepted. The 2016 Course

focuses on the design and construction of neutron instruments for large-scale facilities. In addition to lectures on theory, sources, and neutron instrumentation, students will be tutored by world leading experts in the various neutron scattering techniques. Students will be organized into groups which will design and “build” a neutron instrument during the week. The course thus includes instrument design, as well as instrument project management activities, at the end of which each student will have an overview of the process of designing and building a neutron instrument. Students are selected for the course based on their need to utilize neutron instrument design and construction project techniques as part of their present and/or future research activities.

The school is aimed at young instrument and development scientists, engineers, and designers at international and national neutron facilities, although graduate students or postdocs at universities with an interest in neutron instrument projects would also be welcomed.

**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**

Students wish to apply please click [here](#). Places at the school are in high demand, residential places available for this Course are 30.

To register you will need to fill out the travel form, submit a personal statement and, in the case of students, a statement from your supervisor.

Lecturers: for registration form click [here](#), for travel form click [here](#).

All student and Lecturer travel forms must be returned to [ken.andersen@esss.se](mailto:ken.andersen@esss.se) and [herwigkw@ornl.gov](mailto:herwigkw@ornl.gov) and copied to [school\\_fpricci@its.me.cnr.it](mailto:school_fpricci@its.me.cnr.it). Applications should arrive no later than March 1<sup>st</sup>, 2016.

The **Registration Fee** is €1000 per student. School fees include the cost of lodging during the school, breakfast, lunch, evening meal, teaching and all course materials.

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

Account name: Fondazione Ettore Majorana e Centro di Cultura Scientifica

Bank Name: Unicredit Private Banking S.p.A.

BRANCH NAME: 07858 TRAPANI

STREET: Via Garibaldi 9 - 91100 Trapani, Italy

IBAN: IT 47 I 02008 16407 000600000655  
BIC SWIFT: UNCRITMM

A web site for on-line payment will be available at  
**<http://www.sonsfpricci.org/school-sons-2016>**  
Directors: Ken Andersen (ESS) and Kenneth W Herwig (ORNL)

Students are encouraged to join **the school page on Facebook**



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