SUMMER SCHOOL on Neutron Detectors and Related Applications NDRA-2014

30th June - 4th July, 2014.
Riva del Garda, Trento, Italy.

The aim of the school is to illustrate principles, methodologies and most recent applications of neutron detection technologies. In particular, the school deals with neutron-matter interaction principles suitable to neutron detection, materials for neutron detectors, signal processing, Monte Carlo simulation codes and interdisciplinary applications of neutrons.

The school is addressed to PhD students, Post-Docs and young researchers with backgrounds in Engineering and Physics.

TOPICS
- Neutron interaction with materials.
- Principles of neutron detection.
- Inorganic and organic scintillators for neutrons.
- Solid state and semiconductor detectors for neutrons.
- Monte Carlo techniques for efficiency analyses.
- n-γ discrimination techniques.
- Neutron sources.
- Applications: material analysis, imaging, nuclear waste, medical.

LECTURERS

Marek Moszynski (*National Centre for Nuclear Research, Poland*)

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ORGANIZING COMMITTEE

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FEES

Senior researchers	Before 1st June 375 €	After 1st June 400 €
Students	Before 1st June 275 €	After 1st June 300 €

A maximum of 60 registrations will be accepted. People who intend to join the school can preliminarily contact the organizing committee.

LOCATION

The school will be held at Astoria Park Hotel****. A list of hotels with fixed prices will be soon available.

WEBSITE

Construction in progress.

POSTER AND ORAL PRESENTATIONS

PhD and Post-Doc students are invited to present a poster and a short oral presentation during a dedicated session of the school. Abstract submission facility will be available soon.

HOW TO REACH RIVA DEL GARDA

Motorway

A22, Brennero motorway, Rovereto sud exit: 15 minutes from the toll booth.

By coach

Direct links from Trento and Rovereto (Trentino Trasporti buses); from Verona and Desenzano (A.P.T.V. buses); from Brescia and Milan (S.I.A. buses).

By plane

- Verona Airport "Valerio Catullo" (recommended)
- Brescia Airport "Gabriele D'Annunzio"
- Bergamo Airport "Orio al Serio"
- Aeroporti Milano "Malpensa" and "Linate"
- Venezia Airport "Marco Polo"

- **By train**

Nearest station is Rovereto (Brennero line) 20 km from Riva del Garda.