



The Abdus Salam  
International Centre for Theoretical Physics



The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the International School for Advanced Studies (SISSA) and the Italian Institute for Nuclear Physics (INFN), will hold a

*Workshop*  
**TOWARDS NEUTRINO  
TECHNOLOGIES**

**13 - 17 July 2009**

*Miramare, Trieste, Italy*

*The achieved knowledge of neutrino properties opens up new possibilities to use them as a tool for the study of other objects and eventually for practical applications. The goal of this workshop is to review the existing achievements and efforts and to consider areas of neutrino physics which can potentially lead to the development of neutrino technologies.*

**TOPICS INCLUDE**

- \* *Neutrino properties: masses, mixing and interactions*
- \* *Coherent neutrino scattering*
- \* *Neutrino Moessbauer effect and other exotic effects*
- \* *New neutrino sources and detection techniques*
- \* *Geo-neutrinos*
- \* *Neutrino tomography of the Earth and stars*
- \* *Neutrino communication systems*
- \* *Reactor neutrinos and control of nuclear reactors*

**PARTICIPATION**

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the workshop. As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. There is no registration fee to be paid.

The **Application Form** can be accessed at the activity website: <http://agenda.ictp.it/smr.php?2047> (which will be constantly up-dated). Alternatively, you can send your request for participation via e-mail ([lvelasco@ictp.it](mailto:lvelasco@ictp.it) or [smirnov@ictp.it](mailto:smirnov@ictp.it)), or at the address indicated below.

**Workshop Towards Neutrino Technologies**  
(smr 2047 - c/o Ms. Rosanna Sain - Activity Secretary)  
the Abdus Salam International Centre for Theoretical Physics  
Strada Costiera 11, 34014 Trieste, Italy.

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Activity Web page: <http://agenda.ictp.it/smr.php?2047>

ICTP Home Page: <http://www.ictp.it/>



**ORGANIZERS**

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**Scientific Secretary**

**L. VELASCO-SEVILLA**  
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**DEADLINE**  
*for requesting participation*

**15 April 2009**