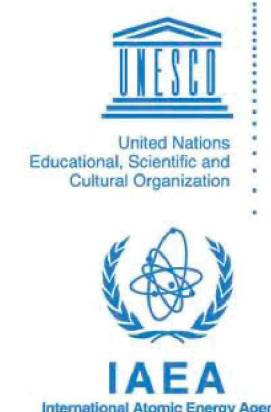




The Abdus Salam
International Centre for Theoretical Physics



Joint ICTP/IAEA Training Workshop

on
Technology and Performance of
Desalination Systems

11-15 May 2009

Miramare-Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, in co-operation with the International Atomic Energy Agency (IAEA), Vienna, Austria, is organizing a Training Workshop on Technology and Performance of Desalination Systems, to be held at ICTP, Trieste, from 11 to 15 May 2009.

Significant number of countries have recently expressed interest in nuclear desalination where nuclear energy is used for the production of freshwater from seawater. Nuclear desalination is a demonstrated option and could help meet the growing demand for potable water. In general, all types of nuclear reactors can in principle provide low temperature heat, electricity, or both and be coupled to various desalination processes.

The workshop represents a unique forum for engineers and scientists to gain extensive and up-to-date information on desalination technology, their performances, and non electric applications of nuclear reactors. The participants of this workshop will have the opportunity to be introduced to the latest updated version of the IAEA DEEP software including template for water transport cost assessment.

The objective of the training workshop is to train scientists and engineers from both developing and developed countries on the technology and performance evaluation of energy sources and water desalination systems, including coupling of various sources of energy such as combined cycles, gas turbines, fossil, and nuclear reactors with different desalination processes. The training will include the applications of the IAEA DEEP software for economic evaluation methods of nuclear desalination.

PROGRAMME

The training workshop will consist of lectures, practical exercises, and computer demonstrations.

PARTICIPATION

Scientists and engineers from all countries that are members of the United Nations, UNESCO or IAEA may attend the activity. They should hold a university degree in nuclear engineering, mechanical engineering, nuclear physics, reactor physics, or related subjects. As the training workshop will be conducted in English, participants must have an adequate working knowledge of this language. Although the main purpose of the Centre is to help researchers from developing countries, graduate students and post-doctoral scientists from developed countries would equally benefit from the workshop and are encouraged to apply.

Travel and subsistence expenses are borne by the participants. However, limited funds are available for participants who are both nationals of, and working in, a developing country.

There is no registration fee.

Prospective participants should fill in and submit the **Online Application Form** that can be found at: <http://agenda.ictp.it/smr.php?2032>. The curriculum vitae and a recent photograph are compulsory. Kindly upload all file attachments in Word or Acrobat format.

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in co-operation with

International Atomic Energy Agency

DIRECTOR

Ibrahim KHAMIS

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LOCAL ORGANIZER

Claudio TUNIZ

(ICTP, Trieste, Italy)

TOPICS

Analysis of thermal desalination processes (MSF, MED), membrane process (RO), hybrid, coupling of nuclear reactors and desalination systems, non electric applications of nuclear energy, case studies on the economic evaluation, using DEEP software and cost reduction strategies.

DEADLINE

*for requesting
participation*

31 January 2009