



The Abdus Salam
**International Centre
for Theoretical Physics**
www.ictp.it



Joint ICTP-IAEA School on Nuclear Energy Management

2 - 13 November 2015

Miramare - Trieste

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) in co-operation with the International Atomic Energy Agency (IAEA, Vienna, Austria) is jointly organizing the School of Nuclear Energy Management, to take place from 2 to 13 November 2015.

The purpose of this school is to provide a unique international educational experience aimed at building future leadership in managing nuclear energy programmes from among promising young professionals, particularly from newcomer countries that seek to develop nuclear power or other nuclear applications, who show promise as future leaders of the nuclear industry, academia and public sector entities. It will enable the transfer of IAEA specific knowledge to Member States towards their capacity building efforts.

The prospect of a continuing worldwide use of nuclear technologies – *for electricity generation and electricity and applications in medicine, agriculture and industry*, as well as the ageing cadres in the field points to the need for new cadre of nuclear professionals. A highly competent management is vital to the success at all stages of nuclear programmes.

The school will train young professionals from developing and developed countries with managerial potential on aspects of the industry to ensure their broad understanding of the current issues that need to be tackled in their countries.

The School will consist of a series of **keynote presentations** by leading IAEA specialists on topics relevant to managing nuclear energy programmes followed by practical sessions. All participants will be expected to be actively involved in discussions, assigned projects, panel reviews and other activities.

The following topics will be covered:

- *World Energy Balance, Geopolitics and Climate Issues;*
- *Energy Planning, Energy Economics and Nuclear Power Economics and Finance;*
- *Nuclear Power - Technology and Life Cycle;*
- *Nuclear Safety and Security;*
- *Nuclear Law, International Conventions and Relevant Mechanisms;*
- *Nuclear Non-Proliferation and Safeguards;*
- *Human Resource Development and Knowledge Management;*
- *Nuclear Leadership, Management and Sociology;*
- *Emergency Planning and Preparedness*
- *Radioactive Waste Management and Decommissioning*
- *Communicating Radiation Risks to the Public*
- *IAEA Support for Nuclear Power Development;*

PARTICIPATION: The School is aimed at young professionals primarily but not exclusively from countries with a new or expanding nuclear power programme and those that plan establishing one in the near future, and that are members of the United Nations, UNESCO or the IAEA. Applicants must possess a degree in science, engineering, business or law; have knowledge of nuclear fundamentals and several years of experience in a governmental institution or the nuclear industry. Although the main purpose of the Abdus Salam ICTP is to help researchers from developing countries, professionals from developed countries are also welcome to attend. Limited funding (including travel grants) for participation is available for scientists and professionals from developing countries. The School will be conducted in English. *Registration is free-of-charge for all attendees.*

APPLICATION: The application form can be accessed at: <http://indico.ictp.it/event/a14289/>

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In co-operation with

**the International Atomic
Energy Agency
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APPLICATION DEADLINE

31 May 2015

April 2015

