



The Abdus Salam

**International Centre
for Theoretical Physics**

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Joint ICTP-IAEA School of Nuclear Energy Management

15 July - 2 August 2013

(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 jointly organizing the School of Nuclear Energy Management, to take place from 15 July to 2 August 2013.

The purpose of this school is to provide a unique international educational experience aimed at building future leadership in managing nuclear energy programs from among promising young professionals from developing countries, particularly 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 in their country. It will enable the transfer of IAEA specific knowledge to Member States towards their capacity building efforts.

The prospect of a steady world-wide growth in the use of nuclear technology – *for the generation of electricity and other energy services and in a diversity of nuclear applications in medicine, agriculture, and industry* - points to the need for a greatly expanded global cadre of nuclear professionals. A highly competent management is vital to the success at all stages of development or re-launching of a nuclear programme. This school will focus mainly on training young professionals from developing countries with managerial potential on aspects of the industry that will ensure their broad understanding of the current issues that need to be tackled in their various countries. During this training programme, the participants will gain awareness of the most recent developments in nuclear energy and the IAEA specific knowledge and broad international perspective on issues related to the peaceful use of nuclear technology.

The School will consist of a series of **keynote presentations** by leading IAEA specialists on topics relevant to managing nuclear energy programs followed by practical sessions discussing the issues raised and difficulties envisaged. All chosen participants will be expected to be actively involved in discussions, assigned projects, panel reviews and all school activities.

The following topics will be covered:

- **World Energy Balance, Geopolitics and Climate Issues;**
- **Energy Planning, Energy Economics and Nuclear Power Economics and Finance;**
- **IAEA Support for Nuclear Power Development;**
- **Nuclear Power – Technology and Life Cycle;**
- **Nuclear Science and Research;**
- **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;**
- **Communicating Radiation Risks to the Public**

PARTICIPATION: The invitation to the School is directed to young professionals primarily but not exclusively in countries with a new nuclear programme and those that plan on establishing one in the near future and that are members of the United Nations, UNESCO or IAEA. Applicants must possess a degree in Science, Engineering, Business or Law; have knowledge of nuclear fundamentals and several years of experience in government or the nuclear industry. Although the main purpose of the Abdus Salam ICTP is to help research workers from developing countries, a limited number of professionals from developed countries are also welcome to attend. Limited funding (including travel grants) for participation in the workshop is available for scientists from developing countries. The School will be conducted in English. **Registration is free-of-charge for all attendees.**

HOW TO APPLY:

The "On-line Application" form can be accessed at the

ICTP activity website: http://cdsagenda5.ictp.trieste.it/full_display.php?ida=a12196

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

ACTIVITY SECRETARIAT

Joint ICTP-IAEA School of Nuclear Energy Management

smr2473

the Abdus Salam International Centre for Theoretical Physics

Strada Costiera 11, 34014 Trieste, Italy

phone: +39-040-2240544, Fax: +39-040-2240575, E-mail: smr2473@ictp.it



***In co-operation with
the International Atomic
Energy Agency
(Vienna, Austria)***

DIRECTORS

A. BYCHKOV
(IAEA, Vienna, Austria)

T. KARSEKA
(IAEA, Vienna, Austria)

Y. YANEV
(IAEA, Vienna, Austria)

LOCAL ORGANIZER

C. TUNIZ
(ICTP, Trieste, Italy)

DEADLINE

28 February, 2013

ICTP Home page: <http://www.ictp.it/>
IAEA Home Page: <http://www.iaea.org/>