



United States of America–IAEA Nuclear Energy Management School

Hosted by the
Government of the United States of America

through the
Oak Ridge National Laboratory

Oak Ridge, Tennessee, United States of America

15–26 July 2024

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Information Sheet

Introduction

The management of nuclear energy facilities throughout their lifetime is challenging and complex, and requires both technical and managerial knowledge specific to the nuclear sector. The International Atomic Energy Agency (IAEA) has therefore developed the Nuclear Energy Management (NEM) School programme, which focuses on the managerial and technical competencies that are required to support national nuclear energy strategies and their implementation.

The NEM School is two weeks in duration with contributions from IAEA and United States experts in areas relevant to the entire nuclear energy lifecycle, such as, nuclear licensing and regulation, nuclear

energy policy, safety culture, nuclear fuel cycle, and nuclear safety, security and safeguards. Lectures will also provide a broad international perspective of the nuclear energy industry.

The NEM School is delivered in a format that can be implemented regionally in cooperation with a local university or nuclear organization acting as the host. It targets professional working in the nuclear sector who show managerial potential and aptitude for future leadership positions.

This NEM School is organized in the United States of America by the IAEA in cooperation with the Department of Energy through the Oak Ridge National Laboratory (ORNL).

The unique features of the NEM School are:

- Topics relevant to managing nuclear power programmes will be presented by leading IAEA, international and US experts with vast expertise in nuclear projects;
- Project work will be organized during which participants will be expected to contribute by analysing case studies, working on example problems and sharing their experiences of national nuclear programmes;
- Technical tours will be organized to ORNL and other nuclear facilities.

Objectives

The purpose of the NEM School is to support young nuclear professionals by enhancing their managerial and technical competencies that are essential for maintaining national nuclear energy programmes.

In particular, the objectives are:

- To provide an international educational experience and an opportunity for worldwide networking with future leaders and managers of nuclear energy programmes;
- To raise the awareness of the participants about recent developments in nuclear energy;
- To broaden the participants' understanding of key issues and challenges associated with the peaceful uses of nuclear energy;
- To introduce the participants to the leadership and managerial competencies needed to successfully implement national nuclear energy programmes.

Target Audience

New or young nuclear energy and nuclear technology professionals, e.g. having accrued managerial experience in other industries or having recently started their careers in the nuclear field.

Working Language

English.

Expected Outputs

The NEM School will cover a broad range of subjects through presentations, panel discussion and case studies on the following topical areas:

- The IAEA and its services to its Member States;
- Overview of nuclear applications;
- Introduction to nuclear power and current nuclear power technologies;
- An integrated approach to human resource development and nuclear knowledge management;
- Leadership and management in nuclear organizations;
- Nuclear law;
- Nuclear safety;
- Nuclear security;
- Nuclear safeguards;
- Radioactive waste management;
- Advanced nuclear power technologies;
- New nuclear builds;
- Basic principles of nuclear power plant operation;
- The nuclear fuel cycle;
- Climate change and the economics of nuclear energy;
- Stakeholder involvement and public communication.

The perspectives of the participating countries will also be shared through presentations in which the participants will discuss nuclear energy management programmes in their home countries.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **19 April 2024**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):

- Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
- Persons without an existing NUCLEUS account can register [here](#).

2. Once signed in, prospective participants can use the InTouch+ platform to:

- Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
- Search for the relevant event under the ‘My Eligible Events’ tab;
- Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
- If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
- Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **19 April 2024**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Nominated applicants from IAEA Member States are invited to take part in an online pre-liminary training course, and upon successful selection to attend the NEM School. Technical sessions, panel discussions, case studies and group project work will be organized with the participants expected to actively contribute by sharing information on their experience and national practices in the area of maintaining national nuclear programmes.

Applicants should have an appropriate background with an adequate understanding of nuclear fundamentals and managerial experience of working either in the government or the nuclear sector. Online preliminary, testing and background materials will be provided to all nominated applicants prior to the NEM School through the IAEA’s Cyber Learning Platform for Network Education and Training (CLP4NET).

Selected participants will be informed in due course of the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency’s Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use

the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country.

The application for financial support should be made, together with the submission of the application, by **19 April 2024**.

IAEA Contacts

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.