



# Japan-IAEA Nuclear Energy Management School

20 August to 6 September 2024

## *Prospectus*

### 1. Dates and Place

Dates: 20 August to 6 September 2024

Venue: Tokyo, Fukushima and Others, Japan

### 2. Deadline for Nominations

6 May 2024

### 3. Organizers

The school is co-organized by Japan Nuclear Human Resource Development Network (JN-HRD.net), the University of Tokyo, Japan Atomic Energy Agency (JAEA), Japan Atomic Industrial Forum (JAIF), and JAIF International Cooperation Center (JICC) in cooperation with International Atomic Energy Agency (IAEA).

### 4. Host Country Organizers

Mr. Shiro Arai

Steering Committee Chair, JN-HRD.net

President of JAIF and JICC

Mr. Kazuyuki Demachi

Associate Professor, Nuclear Professional School

The University of Tokyo

Mr. Yoshihiro Nakano

Director, Nuclear Human Resource Development Centre, JAEA

Mr. Akio Toba

Executive Director, JICC

### 5. Purpose

The purpose of Japan-IAEA Nuclear Energy Management School is to support young professionals in the nuclear sector in enhancing 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 to future leaders and managers of nuclear energy;
- To raise awareness of participants about recent developments in nuclear energy;
- To broaden participants' understanding of key issues and challenges associated with peaceful uses of nuclear energy; and
- To introduce participants to the leadership and managerial competencies needed to successfully implement national nuclear energy programmes.

## **6. Nature of the School**

During the three weeks management school, the participants will experience all modes of instruction and training activities such as lectures, facility visits, discussions, group work and its presentation. Both the lectures and the technical tour to Fukushima Daiichi NPP will give the participants a deep insight about the way to implement the latest safety principles in their country based on the lessons learned from Fukushima Daiichi Nuclear Power accident.

The curriculum of the school is designed to cover a range of topics that are relevant to the participating countries, which have been considering emerging and expanding nuclear power programmers. The young professionals of these countries will share the nuclear knowledge with the best experts available for the school. It will enable the transfer of wide range of specific knowledge to participating countries towards their capacity building efforts.

The school addresses the following areas. All curricula will be adapted specifically to the needs of participating countries, which have concrete plans to introduce or expand nuclear energy programmers.

### **Topics**

- International Cooperation; IAEA Support for Nuclear Power
- Introduction to Nuclear Power
- Energy Planning and Nuclear Power Economics
- Human Resources Management and Nuclear Knowledge management
- Management and Leadership in a Nuclear Organization
- Stakeholders Involvement and Public Communication
- Nuclear law
- Nuclear Safety, Security and Safeguard
- Radioactive Waste Management

### **School elements below will be used to reach knowledge objectives.**

- Lectures by experts from IAEA, local and non-local institutions
- Technical visits to nuclear-related facilities and companies
- Group projects: discussion, preparation and presentation
- Pre-training and test, Key word survey at the starting and end of the school, Daily Feedback and Final Examination

## **7. Background Information**

There has been a growing demand all over the world for nuclear power as a sustainable energy

source that is compatible with environmental stewardship. This trend has not been changed even after the occurrence of Fukushima Daiichi Nuclear Power accident. Embarkation on a nuclear programmed requires establishment of a sustainable national infrastructure that provides governmental, legal, regulatory, industrial, technological, administrative and human support throughout the life cycle of the programmed.

The purpose of the school is to strengthen transfer of nuclear knowledge to young professionals so that they build future leadership to manage nuclear energy programmers. It targets promising young professionals with managerial potential from rising developing countries - particularly newcomer countries that seek to develop nuclear power. A highly competent management is vital to the success at all stages of development of a nuclear programmed. To assist participating countries in achieving this goal, the organizers have designed a comprehensive curriculum to support a capacity building in a defined region. The school aims to broaden the understanding of the current issues which need to be tackled by young professionals.

## 8. Language

Working language is English.

## 9. Invited countries

The school is open to the applicants from the following countries:

**Brazil, Bulgaria, Czech Republic, Republic of Estonia, Ghana, India, Indonesia, Japan, Jordan, Kazakhstan, Malaysia, Mexico, Mongolia, Philippines, Poland, Saudi Arabia, Singapore, Slovak Republic, Slovenia, Thailand, Romania, Ukraine and Viet Nam**

## 10. Nomination Procedure

The application forms shall be submitted to **the School Secretary as noted in section 16** by the competent organizations, through which the School Secretary has requested nomination. Completed forms shall be endorsed by and returned through those organizations. **The forms must be received by the School Secretary not later than the deadline as described in section 2.**

## 11. Selection Criteria for the Pre-training

In order to be selected for the pre-training course, the applicants:

- Must have a good command of the English language.
- **New or young professionals with managerial potential who have at least 2 years working experiences in the nuclear energy** and technology or related fields such as government organizations, regulatory bodies, owner/operators of NPP, R&D organizations, supply chain organizations including TSO, academia, education and training organizations.
- In some cases, prospective candidates who are transferring industries, for example from the petrochemical industry may be considered as prospective student.
- Should hold a university degree in science, engineering, business administration, law, or have the equivalent experience necessary to be able to meet the school requirement.
- **Must not have participated in previous NEM schools of the same kind.**
- **Must not be under application for participation in other NEM schools this year.**

## **12. Pre-training course and the test at CLP4NET**

Applicants shall take the pre-training course and the course test with set of the passing line at CLP4NET on the IAEA website. Detailed instructions will be given by IAEA.

Please note that the results will be considered as a part of the evaluation and final selection of students.

## **13. Administrative Arrangement**

Final selection to attend the school is dependent on several factors including geographical balance and gender balance of students, where appropriate. IAEA and the host organizers will inform each counterpart of the names of selected applicants.

Those participants will be contacted by the host organizers for the detailed information of the school and entry visa support if necessary.

## **14. Financial Support**

During the school period, financial support to participants from the countries except Japan will be provided by IAEA or JICC to cover international flight tickets for round-trip, hotel rooms and daily allowance. Qualified participants will be given full details.

## **15. Others**

The host organizers and IAEA do not accept any liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the school, and it is clearly understood that each participant or his/her organization will undertake responsibility for such coverage. Participants and his/her organization are well advised to take out insurance against these risks.

During the school, all participants shall stay at the hotel designated by host organizers. Participants shall not bring any family members with them to Japan.

## **16. The contact person at the host organizers:**

Mr. Kazuo KISHIDA

School Secretary

JAIF International Cooperation Centre (JICC)

e-mail: kishida-k@jaif-icc.com