

KEY DEADLINES

- 31 December 2021** Submission of abstracts, including Forms A, B and C, through official channels to the IAEA
- 28 February 2022** Notification of acceptance of abstract
- 30 April 2022** Electronic submission of full paper

EXHIBITION

Space will be available for displays and exhibits by commercial vendors during the conference. Interested exhibitors should contact the Local Organizing Committee by email as soon as possible:

Mr Alexey Ponomarenko
Rosatom Technical Academy
Email: ADPonomarenko@rosatom.ru

TECHNICAL TOUR

A technical tour will be organized for conference participants.

For more information visit the conference web site.

CONFERENCE WEB PAGE

Detailed information on administrative procedures including participation, submission of papers, registration and grants, is provided on the conference web page:

<https://www.iaea.org/events/nkmhrd-2022>

Please include reference number IAEA-CN-306 in all communications.

CONFERENCE SECRETARIAT

Scientific matters and paper submission

Mr David Drury
Nuclear Knowledge Management Section
Department of Nuclear Energy
Email: NKM-HRD2022@iaea.org

Ms Tea Bilic Zabrc
Nuclear Knowledge Management Section
Department of Nuclear Energy
Email: NKM-HRD2022@iaea.org

Mr Pedro Dieguez Porras
Nuclear Power Engineering Section
Department of Nuclear Energy
Email: NKM-HRD2022@iaea.org

Student Competition

Ms Helena Zhivitskaya
Nuclear Knowledge Management Section
Department of Nuclear Energy
Email: NKM-HRD2022@iaea.org

Administration and organization

Ms Martina Neuhold
Conference Services Section
International Atomic Energy Agency
Vienna International Centre
PO Box 100 1400 Vienna, Austria
Tel.: +43 1 2600 21314 Fax: +43 1 2600 7
Email: Conference.Contact-Point@iaea.org



CN-306

International Conference on Nuclear Knowledge Management and Human Resources Development: *Challenges and Opportunities*

13–16 June 2022
Moscow, Russian Federation



#NKMHRD

#NUCLEARCAREERS

Organized by the



hosted by the Government of
the Russian Federation



BACKGROUND

Development and management of human resources in the nuclear field is one of the crucial factors for its safety and sustainability. Many of the challenges that influence human resources development (HRD) are common to countries that are operating, expanding or developing nuclear power programmes. They also affect countries hosting research reactors, radioactive waste management and fuel cycle facilities.

The International Atomic Energy Agency (IAEA) supports Member States in improving their capabilities to develop and maintain a competent workforce and in ensuring that critical knowledge and skills are transferred in all phases of the life cycle of nuclear facilities.

The conference programme has been developed using an integrated approach to human resources development and nuclear knowledge management (NKM) to better serve the needs of Member States.

OBJECTIVE

The objective of the conference is to review the global situation in human resources development and nuclear knowledge management, consider the current and future challenges and opportunities. It will provide participants with practical solutions that they can use to develop and maintain the human resources needed to support safe, secure and sustainable nuclear power programmes.

Various issues related to specific human competencies, methodological or process knowledge and technology-related knowledge management will also be addressed.

Lessons Learnt during the Covid-19 pandemic will also be considered.

TOPICS

The following topics will be covered at the conference sessions:

Session 1: Nuclear Knowledge Management

This session will address strategies and policies to support NKM methodologies and implementation approaches. It will include discussions of knowledge management across the nuclear facility life cycle, including advanced reactors, and within nuclear regulatory organizations. Knowledge management for nuclear science and non-power applications, and nuclear technology research, development and innovation including fusion activities will also be addressed.

Session 2: Learning and Development for Human Resources

This session will discuss nuclear education and outreach, including how to build a learning culture in nuclear organizations, human resources planning to support building and maintaining a workforce, competency mapping and management, training, certification and continued professional development. It will address performance, monitoring and improvement, roles and responsibilities related to human resources and leadership functions within nuclear organizations, as well as networking and technical communities of practice.

Session 3: Digital Transformation to support HRD and NKM

This session will address the use of digital tools and technologies to support education and training of a nuclear workforce, including plant information models. It will also explore ways to plan and improve the digitalization strategy, smart digital tools to enhance existing training programmes or support the establishment of new programmes, and digital technologies with the potential to transform industry and businesses.

Session 4: Nuclear Information Management

This session will cover issues associated with information management, particularly the use of technology to support new trends in information, records and data management. It will include discussions on managing big data for analytics and transformation, exploring data disruption and predictive analytics as digital information management tools.

AUDIENCE

The conference will bring together education and training specialists, staff of utilities, research and design organizations, regulatory bodies, manufacturing and service companies, as well as relevant decision makers in Governments.

INTERNATIONAL STUDENT COMPETITION

To foster the interest of young people in nuclear technology and to promote discussion on the impact of nuclear technology in addressing climate change, the conference will feature a Student Video Contest entitled "The role of nuclear technology in addressing climate change".

Further details are available on the conference web site.

REGISTRATION FEE

No registration fee is charged.

