

## IAEA CONTACT PERSONS

### Scientific matters and paper submission:

Email: HR2010@iaea.org

Mr. Thomas Mazour  
Nuclear Power Engineering Section,  
IAEA

Tel: +43 1 2600 22793  
Fax: +43 1 2600 7

Mr. Yanko Yanev  
INIS and Nuclear Knowledge  
Management Section, IAEA

Tel: +43 1 2600 22887  
Fax: +43 1 2600 7

### Administrative matters, participation and grants:

Ms. Martina Neuhold  
Conference Services Section, IAEA

Tel: +43 1 2600 21314  
Fax: +43 1 2600 7  
Email: M.Neuhold@iaea.org

In cooperation with the  
European Atomic Forum (FORATOM)  
European Nuclear Education Network Association  
(ENEN)  
European Nuclear Society (ENS)  
International Centre for Theoretical Physics (ICTP)  
Japan Atomic Energy Agency (JAEA)  
Japan Atomic Industrial Forum (JAIF)  
Nuclear Energy Institute (NEI)  
OECD Nuclear Energy Agency (OECD/NEA)  
World Association of Nuclear Operators (WANO)  
World Nuclear Association (WNA)



# IAEA

International Atomic Energy Agency

*Atoms for Peace*

International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 Vienna, Austria  
Tel.: +43 1 2600  
Fax: +43 1 2600 7  
E-mail: Official.mail@iaea.org

# International Conference on Human Resource Development for Introducing and Expanding Nuclear Power Programmes

Abu Dhabi, United Arab Emirates  
14–18 March 2010



## IAEA

International Atomic Energy Agency

Organized by the  
International Atomic Energy Agency  
Hosted by the  
Government of United Arab Emirates  
through the

مؤسسة الإمارات للطاقة النووية  
Emirates Nuclear Energy Corporation



United Arab Emirates  
Federal Authority for Nuclear Regulation



الإمارات العربية المتحدة  
الهيئة الاتحادية للرقابة النووية

CONFERENCE WEB PAGE  
[http://www-pub.iaea.org/MTCD/Meetings/  
Announcements.asp?ConfID=38090](http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=38090)

09-38461



KHALIFA  
UNIVERSITY

CN-179

## BACKGROUND

More than 50 Member States have recently approached the IAEA expressing interest in launching nuclear power programmes. In all cases, the development of human resources capable of supporting the implementation of these programmes has been identified as one of the main challenges. Additionally, many of the 30 Member States that already have nuclear power programmes are either expanding or considering the expansion of their programmes. For many of them, this comes at the same time as there is a need to replace the generation of workers that commissioned the plants now in operation.

Given these needs, the education, recruitment, selection, training, qualification and retention of human resources to support the introduction and expansion of nuclear power programmes has been a matter of concern for many national governments and has attracted a great deal of attention and support from industry and international organizations. The decline in the number of younger people studying nuclear sciences and the growing number of universities giving up or strongly limiting their nuclear education programmes have given rise to new initiatives for networking educational institutions, universities and industry training centres. New national and international 'platforms' for sharing knowledge and expertise in nuclear education and training (WNU, ANENT, ENEN, ANSN, UNENE and others) have been established and have become the drivers of renewed interest in nuclear education.

## OBJECTIVES

The objective of the conference is to provide participants with practical tools that they can use at the organizational, national and international levels to develop and maintain the human resources needed to support the safe and sustainable introduction and expansion of nuclear power programmes, such as:

- Better understanding of common problems and issues regarding human resource development;
- Practical guidance that can be used at the organizational and national levels to develop a sustainable human resource policy;
- Identification of international cooperation approaches that could be initiated or strengthened to address human resource issues at the regional and international levels.

## AUDIENCE

The focus of this conference is on policy and strategy, and their implementation. Thus, attendees will include:

- Line managers, human resource managers and specialists, and training managers and specialists from the organizations that operate, regulate or support new nuclear power plants and other nuclear facilities;
- Government officials responsible for the introduction or expansion of nuclear power programmes;
- Administrators, department chairs and faculty of universities, polytechnic institutes and training centres;
- Managers, human resource specialists and trainers from supplier organizations to the nuclear industry;
- Senior representatives of professional and trade organizations that support the nuclear industry;
- Leaders of national and international organizations that establish policies and programmes in areas related to human resource development of importance to the nuclear industry;
- Managers and specialists of organizations that communicate with nuclear industry stakeholders, particularly potential future employees in the nuclear industry;
- Representatives of the next generation of nuclear professionals.

## THEMATIC SCOPE

The conference will review the current state of human resource development in the nuclear area, including nuclear education and training around the world, and will address issues such as availability and opportunities for the sharing of relevant infrastructure. Human resource availability for a nuclear 'renaissance' is a key issue to be addressed in both the national and global contexts. It is anticipated that this conference will identify and further explore policies and strategies needed regarding human resource development to support both the introduction and the expansion of nuclear power programmes.

The conference will be organized according to the following areas:

### Session 1

Role of governments in establishing and maintaining human resources for a nuclear programme

### Session 2

Role of educational institutions in meeting the needs of industry for developing a global nuclear workforce, including engineers, scientists and skilled trades workers

### Session 3

Role of industry – vendor and operator responsibility for education and training to fill the need for a competent workforce over the life cycle of nuclear power plants and other fuel cycle facilities

### Session 4

New strategies for managing human resources in the 21st century

### Session 5

The knowledge transfer challenge – knowledge transfer to the new generation of workers; mechanisms for effective knowledge transfer from vendors and operators to 'newcomer' countries

### Session 6

Role of international organizations in working together to address human resource challenges in the nuclear industry in a globalized world

### Session 7

Nuclear sociology – making the nuclear field attractive for the next generations

## REGISTRATION

There is no registration fee. Please see the conference web page for the participation form and details for submission.

## WORKING LANGUAGE

The conference will be held in English.