



Arab Network of Nuclear Regulators (ANNuR)
Asian Nuclear Safety Network (ANSN)
Forum of Nuclear Regulatory Bodies in Africa (FNRBA)
Korea Institute of Nuclear Safety (KINS)

Joint IAEA-KINS: Workshop on Mechanical and Structural Integrity Evaluation

Hosted by the
Government of the Republic of Korea

through
Korea Institute of Nuclear Safety (KINS)

Daejeon, Korea
18-22 September 2017

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Prospectus

A. Introduction

To ensure Mechanical and Materials Integrity of safety-related nuclear facilities is a crucial technical objective that must be achieved in the peaceful use of nuclear energy.

The IAEA and KINS jointly implement this workshop as part of their annually planned activities in accordance with the cooperation mechanisms among the ANNuR/AAEA, ANSN, FNRBA, IAEA and KINS. The mechanisms include the Practical Arrangement between KINS and the Department of Nuclear Safety and Security of the IAEA in 2008, the MOU between KINS and ANNuR/AAEA in 2010, and the MOU between KINS and FNRBA in 2010.

For this workshop, the IAEA and International Nuclear Safety School (INSS) of KINS will deliver training programmes, texts and teaching tools based on their technical expertise in the area of Mechanical and Materials Integrity of safety-related nuclear facilities.

B. Objectives

The course is designed to provide the professional knowledge and information of Mechanical and Materials Integrity of safety-related nuclear facilities. The contents are to be focused on construction (materials, design, fabrication, examination and testing) and in-service inspection rules of safety-related nuclear components.

Focusing on supporting the embarking countries of nuclear power programme, this workshop is intended to provide practical guidance on the above mentioned topics, necessary to Member States for improving their knowledge in order to achieve the Mechanical and Materials Integrity of safety-related nuclear facilities.

C. Target Audience

Participation in the workshop is subject to designation by governmental or national organizations.

For the effectiveness, candidates should be professional staff members of nuclear safety regulatory bodies or technical support organizations from the member countries of the three (3) regional networks of ANNuR, ANSN and FNRBA, and have a science or engineering degree, preferably related to radiation protection and/or emergency preparedness and response.

As the workshop will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in that language without difficulty.

The total number of participants will be limited to thirty (30) from the embarking countries of the three (3) networks.

D. Working Language

The working language of the workshop will be English.

E. Structure

Major activities of the workshop consists of lectures by KINS instructors, focusing on the contents related to Mechanical and Materials Integrity.

The lectures will focus on IAEA safety standards and practical guidance. In addition, the regulatory practices of South Korea will be introduced for the purpose of sharing practical knowledge and experience.

For the EPR area, the lectures and contents will address IAEA Safety Requirements on Mechanical and Materials Integrity.

The contents include the following standards, but not limited to:

- IAEA Safety Standards Series No. SSR-2/1 Safety of Nuclear Power Plants: Design
- IAEA Safety Standards Series No. SSR-2/2 Safety of Nuclear Power Plants: Commissioning and Operation

F. Application Procedure

Prospective participants from ANSN member countries should apply through the ANSN website (www.ansn.org). Prospective participants from ANNuR and FNRBA member countries should apply through the Global Nuclear Safety and Security Network (GNSSN) website (<http://gnssn.iaea.org/sites/annur/>) or through the appropriate official channels with the IAEA. In case of technical problems with the online nomination system, nominations may be sent to the IAEA Project Management Officer, Mr. Kyu Sik Do, via email to: K.S.Do@iaea.org, copied to the IAEA's official email address (Official.Mail@iaea.org), or via fax to: +43 1 26007. The email should contain the following basic information about the candidate(s): name, age, gender, academic qualifications, present position (including exact nature of duties carried out), proficiency in English, and full working address (including telephone and fax numbers, and email address) to enable the IAEA to carry out a preliminary evaluation of the candidate(s).

If requested by their national authorities, the completed Nomination Forms should then be endorsed by these authorities and returned through the established official channels (e.g. Ministry of Foreign Affairs, National Atomic Energy Authority, or office of the United Nations Development Programme).

They must be received at the IAEA, Vienna International Centre, PO Box 100, 1400 Vienna, Austria, not later **than 21 July 2017**.

Nominations received after that date or applications which have not been routed through one of the aforementioned channels cannot be considered.

In case of technical problems with the online nomination system, nominations may also be sent to the IAEA Project Management Officer, Mr Kyu Sik Do, via email to: K.S.Do@iaea.org, copied to the IAEA's official email address (Official.Mail@iaea.org), or via fax: +43 1 26007.

The email should contain the following basic information about the candidate(s): name, age, gender, academic qualifications, present position (including exact nature of duties carried out), proficiency in English, and full working address (including telephone and fax numbers and email address) to enable the IAEA to carry out a preliminary evaluation of the candidate(s).

Nominations received after that date or applications which have not been routed through one of the aforementioned channels cannot be considered.

G. Arrangements

Nominating Governments will be informed in due course of the names of the selected candidates and will at that time be given full details of the procedures to be followed with regard to administrative and financial matters.

The organizers of the workshop do not accept 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 workshop and its related activities, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

H. Venue

The workshop will take place in the International Nuclear Safety School (INSS) of Korea Institute of Nuclear Safety KINS), Daejeon, Republic of Korea.

I. Organizations

IAEA Project Management Officer and Technical Officer:

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Subsequent correspondence on scientific matters should be sent to the IAEA Project Management Officer and correspondence on other matters related to the workshop to the IAEA Project Assistant.

J. IAEA Website

Please visit the IAEA websites regularly for new information regarding this workshop:

<https://gnssn.iaea.org/main/pages/default.aspx> or the ANSN website (www.ansn.org)



This project is conducted by the IAEA, with funding by the Republic of Korea, among others