International Conference on Effective Nuclear Regulatory Systems: Sustaining Improvements Globally

Monday, 11 April 2016 - Friday, 15 April 2016

Vienna, Austria

Scientific Programme

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Sunday, 19 May 2024

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<div style="text-align: justify;">
The International Conference will consist of an opening plenary, five technical sessions with panel discussions and a closing session.

The **opening plenary** will consist of opening addresses followed by a keynote panel discussion to highlight and prioritize regulatory policy and technical challenges in nuclear safety and nuclear security that need to be addressed to sustain improvements globally.

The **five topical sessions** will address the topical issues listed below. After the discussions in the technical sessions, conclusions and recommendations will be drawn up.</div>

Each session will consist of:

Opening of the session by the Chairperson;

Invited papers to cover the topical issues specified;

A panel discussion.
<div style="text-align: justify;">
Panel discussions in each of the five technical sessions will address the challenges resulting from the keynote panel discussion, as well as from the papers presented at the topical sessions, and will focus on actions needed to enhance the global nuclear safety and security framework. Some contributed papers may be selected, if considered to significantly contribute to the topics of the sessions, to become part of the panel discussions. This discussion will bring into focus the essence of the various sessions and will be the cornerstone of the International Conference's activities; it will also provide strong input for the International Conference's closing session. Members of the panel in these discussions will include senior executives from regulatory bodies and, for example, from technical and scientific support organizations.

In the **closing session**, summaries of the sessions according to the topical issues listed below will be provided. The President of the International Conference will present the summary and conclusions of the International Conference, including visions, strategies and actions for the future, as well as issues for consideration by governments, regulatory bodies and international organizations.</div>

Topics for discussion include:

Regulatory Lessons Learned and Actions Taken

This session will provide an opportunity for regulatory bodies to provide feedback concerning the actions taken from the Ottawa conference and lessons learned from the IAEA Report on Fukushima Daiichi Accident and International Experts Meetings. This session will also provide an opportunity to discuss the effect of Vienna Declaration on IAEA Safety Standards.

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Challenges in Regulating Nuclear Installations

This session will provide an opportunity to discuss issues related to the regulatory oversight of licensees' vendors and contractors, acceptance of first of a kind of a nuclear power plants/systems, construction of new nuclear power plants as well as issues of life extension, end of commercial operation and preparation for decommissioning.

Challenges in Regulating Radiation Sources and Radioactive Waste

This session will provide an opportunity to discuss challenges faced in having sufficient regulatory infrastructure to ensure the safety and security of radiation sources and radioactive waste. Of particular focus will be the regulation of emerging technologies in industrial and medical applications.

Strengthening International Cooperation

This session will provide an opportunity to discuss the importance of international cooperation as part of the global nuclear safety and security framework, including the need to strengthen capacity building, knowledge networks and IAEA peer reviews, and to disseminate the results in order to maximize the benefits to Member States.

Strengthening Regulatory Competence

This session will provide the opportunity for regulatory bodies to discuss how building the knowledge and skills of their staff help ensure that they are effective, independent and transparent with a view to enhancing the safety and security culture of the regulated community.