

## PROGRAMME STRUCTURE

The conference is organized in such a way as to facilitate exchanges and discussions among the participants. An opening session will address the conference objectives. A series of six technical sessions will address the six topics of interest listed above. Each session will consist of:

- An overview presentation and summaries of the relevant contributed papers;
- Invited keynote paper(s);
- Open discussion.

Poster sessions will be organized for all accepted contributed papers.

A final session will include presentations of the main conclusions and the recommendations for the future development of international cooperation, including IAEA activities.

Key deadlines:

Contributed papers: 26 February 2010  
Grant applications: 26 February 2010

## WORKING LANGUAGE

The working language of the meeting will be English. All communications must be sent to the IAEA in English.

## CONTACT INFORMATION

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### CONFERENCE WEB SITE

<http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=38094>

# International Conference on Operational Safety Experience and Performance of Nuclear Power Plants and Fuel Cycle Facilities

21–25 June 2010  
Vienna, Austria

Organized by the



**IAEA**  
International Atomic Energy Agency

[www.iaea.org/meetings](http://www.iaea.org/meetings)  
CN-183

## OBJECTIVE

The objective of the conference is to foster the exchange of information on operational safety performance and operating experience in nuclear installations, with the aim of consolidating an international consensus on:

- Further development of basic approaches for dealing with operational safety issues including revision of IAEA safety standards (e.g. IAEA Safety Standard No. GS-R-3);
- Future IAEA, nuclear operator and regulatory authority activities for enhancing operational safety;
- Further promotion of the application of lessons learned from events;
- Implementation of the necessary corrective actions to address the identified causes;
- Capacity and competence building in countries operating nuclear facilities and countries embarking on a nuclear programme;
- Tools and criteria for conducting systematic training needs assessments and human resources development planning;
- Extended operational lifetimes of nuclear installations beyond original design expectations;
- Further development of management for safety, safety culture and operational safety practices.

## AUDIENCE

The conference is directed at a broad range of experts in the area of safe nuclear operations, including professionals from the different disciplines involved in the operation and safety of nuclear power plants and fuel cycle facilities. It is aimed at both licensees and governmental officials, including persons from regulatory bodies, the industry and academe, as well as senior policy makers.

## TOPICS

The following topics related to nuclear power plants and fuel cycle facilities have been identified as subjects for this conference. The conference will also welcome relevant papers related to other nuclear installations and industry programmes and to facilities other than nuclear installations.

(1) International peer reviews. Are they effective tools in, inter alia, avoiding complacency?

- Improvements to international peer reviews
- Significant events occurring at nuclear power plants and fuel cycle facilities

(2) Application of IAEA safety standards for operation. How can we improve the effective application of the IAEA safety standards?

- A wide range of safety standards for nuclear installations are available — are they sufficient?

(3) Operating experience. How effective are corrective actions?

- Enhancing safety of nuclear power plants and fuel cycle facilities
- Results of operational safety missions still indicate weaknesses

(4) Leadership, management for safety and a strong safety culture. How effective is the current management of safety practices and how can it be improved?

- How the management system for safety can support the leadership and continued development of a strong safety culture
- Oversight and assessment

(5) Newcomers with ambitious plans to build new nuclear power plants. Can existing vendors, utilities and international organizations effectively support new utilities and operators?

- Safety infrastructure development as a prerequisite for the introduction of a nuclear power programme
- Countries embarking on nuclear power programmes
- Capacity and competence building

(6) Long term operation (LTO). How can we achieve safe operation beyond initial design lifetime constraints?

- Considerations when reviewing possibilities for LTO
- Implementing an LTO programme
- Support available for LTO

