

## W18 International Activities in Long Term Research Projects

In order to assure that the Agency is positioned to effectively and efficiently handle new technologies that may be presented for regulatory review and approval in the future, the NRC's Office of Nuclear Regulatory Research has embarked on a research program in which promising or speculative technologies that could be deployed in commercial reactors or by materials licensees are identified and evaluated for potential safety issues and implications. The purpose of the research is to identify any new or unique issues that would need to be addressed by industry applicants, as well as new or unique issues that the NRC should consider for further, independent, confirmatory research.

In the global economy, new reactors are being designed by international corporations, and are being built world-wide. Hence, it is expected that new and innovative technologies will be both developed and deployed internationally as well. The purpose of this session is for international organizations that are involved in either developing or licensing new technologies to provide their perspective on future technologies that could be deployed within the next 5-10 years, and to foster discussion on the topic.

**Session Chair:** Brian Sheron, Office Director, NRC/RES

**Panelists:**

A Strategy for Identifying Long-Term Research Needs at the NRC

*Presentation View*

*Handout View*

*Brian Sheron, Office Director, NRC/RES*

10 Years Out – What Does Industry Want in the Plant and Does NRC Agree

*Presentation View*

*Handout View*

*David Modeen, Director, External Affairs, Electric Power Research Institute*

Perspectives on Long-Term Safety Research for New Reactors and New Technologies

*Presentation View*

*Handout View*

*Masashi Hirano, Deputy Director, Nuclear Safety Research Center, Japan Atomic Energy Agency*

IRSN's Views on Mid and Long-Term Research for Nuclear Safety for Operating and Future NPPs in France

*Presentation View*

*Handout View*

*Jacques Repussard, Director General, Institut de Radioprotection et de Sûreté Nucléaire*

DOE's Long-Term Research and Development Activities in Support of Nuclear Power

*Presentation View*

*Handout View*

*R. Shane Johnson, Chief Operating Officer, Office of Nuclear Energy, Department of Energy*

KINS Perspective on Long-Term Regulatory Research

*Presentation View*

*Handout View*

*Yong-Ho Ryu, Director of Safety Research Division, Korea Institute of Nuclear Safety*

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