



Technical Session W18

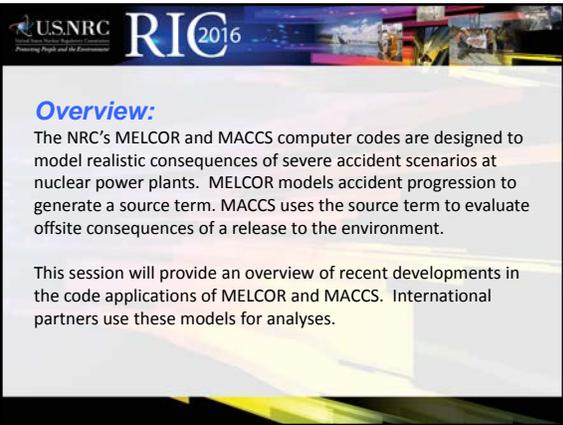
What's New in the Area of Severe Accident and Offsite Consequence Analysis

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Office of Nuclear Regulatory Research

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Overview:

The NRC's MELCOR and MACCS computer codes are designed to model realistic consequences of severe accident scenarios at nuclear power plants. MELCOR models accident progression to generate a source term. MACCS uses the source term to evaluate offsite consequences of a release to the environment.

This session will provide an overview of recent developments in the code applications of MELCOR and MACCS. International partners use these models for analyses.



Presentations / Speakers:

MELCOR – Recent Developments: Dr. Hossein Esmaili, Senior Reactor Systems Engineer, RES/DSA/FSCB

Overview of Recent MACCS Developments: Dr. Keith Compton, Senior Reactor Systems Engineer, RES/DSA/AAB

State-of-the-Art Reactor Consequence Analyses Surry Uncertainty Analysis: Dr. Tina Ghosh, Senior Reactor Systems Engineer, RES/DSA/AAB

Severe Accidents Research at IRSN: Status and Perspective: Bernard Chaumont, Deputy Director of the Safety Research and Development Direction, Radioprotection and Nuclear Safety Institute (IRSN), France

Application of MACCS in S/NRA/R: Dr. Chihiro Suzuki, Researcher, Regulatory Standard and Research Department, Secretariat of Nuclear Regulation Authority (NRA), Japan

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Session Notes:

- Please silence your electronic devices.
- If you need to leave during the session, please wait for a break between speakers or leave as silently as possible.
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