

Session Title: New Developments in Seismic Hazard Assessment

Description: This session will focus on the status and results of several ongoing research topics, including the development of new ground motion prediction models, the Central and Eastern U.S. Seismic Source Characterization Project, and the update to the Senior Seismic Hazard Advisory Committee guidance. The results of these projects may affect the evaluation of seismic hazards for both the licensing of new reactors and the understanding of safety margins at existing reactors.

Session Chair: Rosemary Hogan, NRC/RES

Panelists:

The Central and Eastern United States Seismic Source Characterization for Nuclear Facilities Project: Updating Seismic Source Models for the Next Generation of Critical Facilities
Presentation View Handout View

Dr. Jon Ake, NRC/RES

The Influence of Local Soil Conditions on Seismic Design
Presentation View Handout View

Albert Kottke, Civil Engineering Doctoral Candidate, University of Texas at Austin

Advances in Tsunami Hazard Prediction
Presentation View Handout View

Dr. Annie Kammerer, NRC/RES

Experience of Equipment Fragility Test Conducted by JNES Using Large Scale Shaking Table
Presentation View Handout View

Hiroshi Abe, Researcher, Seismic Safety Division, Japan Nuclear Energy Safety Organization

Session Coordinator: Richard Rivera-Lugo, NRC/RES, tel: (301) 251-7652, E-mail:
Richard.Rivera-Lugo@nrc.gov