



## **MC120**

### **Treatment of Beyond Design Basis Events in Risk-Informed Applications**

- Overview of Risk-informed Applications
- Overview of Design Basis and Beyond Design Basis
- Lessons Learned from Fukushima Dai-ichi Accident
- Beyond Design Basis Seismic Re-Evaluation
- Case Study: Plant Assessment for an Actual Earthquake Exceeding Design Basis Earthquake
- Example 2: Beyond Design Basis Flooding Re-Evaluation
- Probabilistic vs. Deterministic Methods
- Lessons Learned from Seismic PRAs
- Discussion and Wrap-up