



**RIC 2010  
Current Topics in  
Probabilistic Analysis**

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EPRI  
Wednesday 2:00 – 4:00 pm

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**A Research Perspective . . .**

**A goal is a vision with a scope,  
schedule and budget.**

- Goal: All modes all hazards
- Approach: Strategic versus tactical
  - Research
  - Methods
  - Pilots
  - Standards

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**Current Tactical Issues**

- Fire PRA Methods Development
  - Methods developed in advance of some research
  - Methods deployed prior to adequate pilots
- Elements of Seismic PRA Methods
  - Late start in research and methods development

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### Strategic Issues

- Seismic PRA Methods Development
  - Pilots and lessons learned
  - Research: Fundamental and Methodological
  - Implementation
- Low Power and Shutdown
  - Methods and research
  - Pilots and gap assessments
  - Standard

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### Strategic Issues

- Other Hazard Analysis
  - Necessary research and development
- Advanced Tools
  - PRA DocAssist
    - Advanced documentation capability
  - Phoenix
    - All modes all hazards
    - Advanced modeling, computational and visualization

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