

**Advisory Committee on Reactor Safeguards Joint Digital Instrumentation and Control  
Systems Subcommittee Meeting and Reliability and PRA Subcommittee Meeting  
Rockville, MD  
November 18 - 19, 2014, T2- B1**

**- Agenda -**

Cognizant Staff Engineer: Christina Antonescu (301-415-6792), [Christina.Antonescu@nrc.gov](mailto:Christina.Antonescu@nrc.gov))

<b>Topic</b>		<b>Presenter(s)</b>	<b>Time</b>
<b>Tuesday, November 18</b>			
<b>I</b>	Opening Remarks, Chairman	J. Stetkar, ACRS	8:30 am – 8:35 am
<b>II</b>	Introduction	Russ Sydnor, RES/DE Kevin Coyne, RES/DRA	8:35 am - 9:00 am
<b>III</b>	Overview of Digital I&C PRA Research Activities	Ming Li, RES/DRA Louis Chu, BNL	9:00 am – 9:45 am
<b>IV</b>	Insights and Results on Quantitative Software Reliability Method	Ming Li, RES/DRA Louis Chu, BNL	9:45 am – 10:15 am
	Break		10:15 am - 10:30 am
<b>V</b>	Overview of Bayesian Belief Network Approach	Ming Li, RES/DRA Louis Chu, BNL	10:30 am – 11:45 am
	Lunch Break		11:45 am – 12:45pm
<b>VI</b>	Overview of Statistical Testing Approach, Results and Insights	Ming Li, RES/DRA Louis Chu, BNL Tim Kaser, INL	12:45 pm - 2:30 pm
<b>VII</b>	OECD/NEA WG Risk Digital I&C Failure Mode Taxonomy Task	Ming Li, RES/DRA	2:30 pm – 3:00 pm
	Break		3:00 pm - 3:15 pm
<b>VIII</b>	Digital System Failure Modes	Ray Torok, EPRI Bruce Geddes, EPRI Dave Blanchard, EPRI	3:15 pm - 4:15 pm
<b>IX</b>	Modeling of Digital I&C in PRA (TR-1025278)	Ray Torok, EPRI Bruce Geddes, EPRI Dave Blanchard, EPRI	4:15 pm – 6:00 pm

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Topic	Presenter(s)	Time
<b>Wed., November 19</b>		
<b>X</b>	Techniques for Failure Prevention and Mitigation Ray Torok, EPRI Bruce Geddes, EPRI Dave Blanchard, EPRI	8:30 am -10:00 am
	Break	10:00 am – 10:15 am
<b>XI</b>	Status of Hazard Analysis Demonstration Project (Main Generator Exciter Replacement) Ray Torok, EPRI Bruce Geddes, EPRI Dave Blanchard, EPRI	10:15 am – 11:00 am
<b>XII</b>	Update on Digital System Failure Modes Research Mauricio Gutierrez, RES/DE Ming Li, RES/DRA	11:00 am – 12:00 Noon
	Closing Remarks, Chairman J. Stetkar, ACRS	

**Notes:**

- During the meeting, Telephone No. 301-415-7360 should be used to contact anyone in the ACRS Office.
- Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
- Thirty five (35) hard copies of each presentation or handout should be provided to the Designated Federal Official the day before the meeting.
- One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting. If an electronic copy cannot be provided within this timeframe, presenters should provide the Designated Federal Official with a CD containing each presentation at least 30 minutes before the meeting.