

Tuesday, September 12, 2017

8:00 am Registration

8:30 am Opening Remarks by NRC NRC

Technical Session 1 – Severe Accident Research Activities

Co-Chairs: R. Kojo, JNRA and S.W. Hong, KAERI

9:00 am Current Activities in Spain in the Severe Accidents Field F. Robledo, CSN

9:30 am Recent Severe Accident Activities in Belgium M. Adorni, BEL-V

10:00 am BREAK

10:30 am Overview of MELCOR use by the Slovak Regulator L. Kubisova, UJD

11:00 am Overview of Severe Accident Research Activities at KIT A. Miassoedov, KIT

11:30 am KINS Activities Related to CSARP and Severe Accident Regulatory Research Y.J. Cho, KINS

12:00 pm LUNCH

Technical Session 2 – Reactor and Spent Fuel Pool Analysis

Co-Chairs: A. Miassoedov, KIT and M. Adorni, BEL-V

1:00 pm Post-LOCA Long-Term Core Cooling Challenges in Pressurized Water Reactors M. Methnani, FANR

1:30 pm Thermal-hydraulic Response of a PWR Large Dry Containment to Venting During a Severe Accident L. Herranz, CIEMAT

2:00 pm First Results and Prospects of the DENOPI Program Devoted to Spent Fuel Pool Accidents C. Marquié, IRSN

2:30 pm Analysis for Large LOCA of BWR-SFPs R. Kojo, JNRA

3:00 pm BREAK

3:30 pm Overview of SA R&D Activities in UJV Rez with Focus on IVR Strategy J. Duspiva, NRI

4:00 pm	ENEA Activities in the Field of Severe Accident	F. Mascari, ENEA
4:30 pm	State-of-the-Art Reactor Consequence Analysis - Sequoyah Uncertainty Analysis, Part I	NRC/SNL
5:00 pm	State-of-the-Art Reactor Consequence Analysis - Sequoyah Uncertainty Analysis, Part II	NRC/SNL
5:30 pm	ADJOURN	

Wednesday, September 13, 2017

Technical Session 3 – Fukushima and Severe Accident Management

Co-Chairs: K. Lim, KINS and L. Kubisova, UJD

8:30 am	Modeling of the Fukushima Unit 1 Accident with MELCOR	T. Sevón, VTT
9:00 am	MELCOR Source Term Calculations for Fukushima Accident	R.O. Gauntt, SNL
9:30 am	CNSC Evaluation of Plant-Specific SAMG	K. Leung, CNSC
10:00 am	BREAK	
10:30 am	Insights into BWR Severe Accident Management by Simulating Hypothetical Emergency Actions During the Fukushima Daiichi Unit 1 Accident	M. Loeffler, AREVA
11:00 am	Update on Code Crosswalk Activities	N. Andrews, SNL
11:30 am	Recent Activities for Severe Accident Research and Activities for Fukushima Daiichi NPP Accident Analysis in S/NRA/R	R. Kojo, JNRA
12:00 pm	LUNCH	

Technical Session 4 – Severe Accident Research: Codes & Experiments

Co-Chairs: L. Herranz, CIEMAT and S. Vlahovic, FER

1:00 pm	Gains from Recent Research Activities on Source Term Evaluations	D. Vola, IRSN
1:30 pm	Modification of the Condensation Heat Transfer Model of MELCOR for LWR Containment Thermal Hydraulics	Y.J. Cho, KINS
2:00 pm	Status of SPARC Facility for Hydrogen Control and Application Plan	S.W. Hong, KAERI
2:30 pm	Progress in IVMR EC Project - Focus on Outcomes of Reactor Applications	L. Carenini, IRSN

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| 3:00 pm | BREAK | |
| 3:30 pm | Validation of the Creep Model for the Reactor Lower Head Failure | K. Lim, KINS |
| 4:00 pm | Progress on Nitriding Modelling for SA Codes | L. Fernandez Moguel, PSI |
| 4:30 pm | ENEA MELCOR Applications | F. Mascari, ENEA |
| 5:00 pm | ADJOURN | |

Thursday, September 14, 2017

Technical Session 5 – Fission Product Scrubbing Research

Co-Chairs: D. Vola, IRSN and M. Methnani, FANR

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| 9:00 am | Studies on Aerosol Jet Scrubbing | L. Herranz, CIEMAT |
| 9:30 am | Current Status of Pool Scrubbing Experiments and Model Developments in S/NRA/R | K. Sakata, JNRA |
| 10:00 am | BREAK | |
| 10:30 am | Partner's Meeting (Open to Partners Only) | |
| 12:00 pm | LUNCH | |

MELCOR Cooperative Assessment Program (MCAP) Meeting

Thursday, September 14, 2017

1:00 pm Registration

Technical Session 1 – MELCOR Applications and Assessment 1

Co-Chairs: F. Mascari, ENEA and T. Sevón, VTT

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| 1:30 pm | Status of MELCOR Development and Assessment | L. Humphries, SNL |
| 2:30 pm | Application of MELCOR to non-LWR Reactors and ATF | B. Beeny, SNL |
| 3:00 pm | MELCOR 2.1 Performance in Plant Applications: CIEMAT's Experience | L. Herranz, CIEMAT |
| 3:30 pm | BREAK | |
| 4:00 pm | Preliminary Analysis of SBO Accident in SMART-PPE a Lid using MELCOR | J.H. Park, KAERI |
| 4:30 pm | FP Modelling with MELCOR Based on Analysis of Fukushima Accident | L. Fernandez, PSI |
| 5:00 pm | MELCOR Application for the Simulation of the Fukushima Unit 3 Reactor | F. Giannetti, Univ. of Rome |
| 5:30 pm | Modeling Considerations for In-Vessel Recovery in BWRs | E. Fuller |
| 6:00 pm | ADJOURN | |

Friday, September 15, 2017

Technical Session 2 – MELCOR Applications and Assessment 2

Co-Chairs: L. Fernandez, PSI, PSI and J. Duspiva, NRI

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| 9:00 am | Overview of MELCOR use in Croatia | S. Vlahovic, FER |
| 9:30 am | RCIC Modeling of Fukushima Unit 2 with MELCOR | N. Andrews, SNL |

10:00 am BREAK

10:30 am Recent MELCOR Applications in UJV Rez

J. Duspiva, NRI

11:00 am MELCOR Application to Leak Path Factor Analysis

D. Louie, SNL

12:00 pm ADJOURN