

Tuesday, September 13, 2016

8:00 am Registration

8:30 am Opening Remarks by NRC NRC

Technical Session 1 – Severe Accident Research Activities

Co-Chairs: Q. Lei, CNSC and M. Adorni, BEL-V

9:00 am Three Decades of Severe Accident Research at NRC S. Basu, NRC

9:30 am DOE NE Severe Accident Related Activities J. Kelly, DOE

10:00 am Overview of Severe Accident Research Activities at KIT A. Miassoedov,
KIT

10:30 am BREAK

11:00 am Overview of MELCOR Use by the Slovak Regulator L. Kubisova, UJD

11:30 am Overview of Severe Accident Activities in Spain F. Robledo, CSN

12:00 pm Overview of Severe Accident Research in Sweden P. Isaksson, SSM

12:30 pm LUNCH

Technical Session 2 – Reactor and Spent Fuel Pool Analysis

Co-Chairs: A. Miassoedov, KIT and A. Hotta, JNRA

1:30 pm NUGENIA + Air SFP Project: Code to Code Comparison for SFP Accident Scenarios B. Jäckel, PSI

2:00 pm MELCOR/GOTHIC/FLACS Analysis on Hydrogen Behaviors of Chinshan NPP MK-I Containment Yu Chiang, Tsing-Hua University

2:30 pm State-of-the-Art Reactor Consequence Analysis - Surry Uncertainty Analysis T. Ghosh, NRC

3:00 pm In-Vessel Retention Analysis using MAAP and MELCOR for a High-Power Reactor K.H. Lim, KINS

3:30 pm BREAK

4:00 pm	Knowledge and Status of In-Vessel Retention (IVR) for CANDU Reactors	Q. Lei, CNSC
4:30 pm	Sensitivity Analysis of Air Oxidation Breakaway Phenomenon using MELCOR 1.8.6 SFP Version	S. Park, Han-Dong U.
5:00 pm	Analysis of the Core Melt Progression under Severe Accident in CAP1400 NPP	X. Shi, NNSA
5:30 pm	MELCOR Ex-vessel Phase Severe Accident Analysis with Improved Melt Spreading Assumptions for VVER-1000	Y. Vorobyov, SSTC NRS
6:00 pm	ADJOURN	

Wednesday, September 14, 2016

Technical Session 3 – Severe Accident Research: Codes & Experiments

Co-Chairs: P. Isaksson, SSM and S.W. Hong, KAERI

8:00 am	Modeling of Water Ingression Mechanism for Corium Cooling with MELCOR	T. Sevón, VTT
8:30 am	Predictability of Source Term Behavior in SFR-Containments: Benchmarking ASTEC-NA Code Capabilities	L. Herranz, CIEMAT
9:00 am	Interpretation of the OECD Sandia Fuel Project (SFP) with the DRACCAR code	O. De Luze, IRSN
9:30 am	BREAK	
10:00 am	Assessment of pH Evolution in the ASTEC Code - Impact on Source Term Evaluation	F. Cousin, IRSN
10:30 am	Progress on CSARP code applications and Severe Accident Legislation in Korea	Y.J. Cho, KINS
11:00 am	Application of MACCS in Review of Accident Consequence of NPP in China	R. Guo, NNSA
11:30 am	LUNCH	

Technical Session 4 – Fukushima and Severe Accident Management

Co-Chairs: D. Vola, IRSN and L. Herranz, CIEMAT

1:00 pm	MELCOR Analysis of Fukushima Daiichi Accident	H. Hoshi, JNRA
1:30 pm	Uncertainty Analysis of Fukushima Daiichi Unit 1 Damage Condition with exploration of Code Precision Characteristics	R.O. Gauntt, SNL

2:00 pm	Corium Progression Mitigation Strategies	D. Vola, IRSN
2:30 pm	Status of BSAF and SAREF	R. Lee, NRC
3:00 pm	BREAK	
3:30 pm	Hydrogen Migration in Fukushima Dai-ichi Unit-4	A. Hotta, JNRA
4:00 pm	Introduction to SPARC Test Facility for Hydrogen Risk	Y.S. Na, KAERI
4:30 pm	Fukushima Water Contamination Issues	M. Salay, NRC
5:00 pm	MELCOR Calculations in Support of Fukushima Recommendations – Containment Venting and Hydrogen Control	H. Esmaili, NRC
5:30 pm	ADJOURN	

Thursday, September 15, 2016

Technical Session 5 – Severe Accident Research Programs

Co-Chairs: E. Staron, PAA and F. Mascari, ENEA

8:00 am	Overview of Recent Results of FCI Tests in the TROI	S.W. Hong, KAERI
8:30 am	Overview of the IRSN DENOPI Project on Spent Fuel Pool in Loss-of-Cooling and Loss-of-Coolant Accident Conditions	J. Martin, IRSN
9:00 am	CIEMAT Research on Containment Behavior and Mitigation of Combustible Gases in Accident Conditions	L. Herranz, CIEMAT
9:30 am	Overview of THAI Severe Accident Research Program	S. Gupta, BT
10:00 am	ENEA Activities in the Field of Severe Accidents	F. Mascari, ENEA
10:30 am	BREAK	
11:00 am	Partner's Meeting (Open to Partners Only)	
12:00 pm	LUNCH	

MELCOR Cooperative Assessment Program (MCAP) Meeting

Thursday, September 15, 2016

1:00 pm Registration

Technical Session 1 – MELCOR Applications and Assessment 1

Co-Chairs: M. Turner, AMEC and J. Husarcek, UJD

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| 1:30 pm | Status of MELCOR Development and Assessment | L. Humphries,
SNL |
| 2:30 pm | Experiences of MELCOR 1.8.6 to 2.1 Conversion of a PWR and a BWR Plant Model | K. Mueller,
AREVA, GmbH |
| 3:00 pm | CIEMAT Activities on MELCOR Simulations: Year 2016 | L. Herranz,
CIEMAT |
| 3:30 pm | BREAK | |
| 4:00 pm | ENEA MELCOR Application for Current and Advanced Designs | F. Mascari,
ENEA |
| 4:30 pm | Informing Decommissioning of the Fukushima Site with Extended MELCOR Calculations | N. Andrews, SNL |
| 5:00 pm | ADJOURN | |

Friday, September 16, 2016

Technical Session 2 – MELCOR Applications and Assessment 2

Co-Chairs: B. Jäckel, PSI and T. Sevón, VTT

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| 8:30 am | Experience with MELCOR Use and Application by the Slovak Regulator | J. Husarcek,
UJD |
| 9:00 am | Preliminary Results from the MELCOR-ASTEC Cross Walk | N. Andrews, SNL |
| 9:30 am | MELCOR 2.1 Applications to IVR Strategy for VVER-1000 | J. Duspiva, NRI |
| 10:00 am | BREAK | |

10:30 am	An overview of using MELCOR in Poland	E. Staron, PAA
11:00 am	Development of Software Based Response Technical Tool (RTT) for NRC Operation Center	N. Andrews, SNL
12:00 pm	ADJOURN	