



Tuesday, September 15, 2009

8:00 am Registration

8:30 am Opening Remarks/Overview of the NRC Severe Accident Research Program NRC

Technical Session 1 – Severe Accident Research 1

Co-Chairs: S. Basu, NRC, and B. Simondi-Teissiere, IRSN

9:00 am The Status of the OECD/MCCI-2 Program Mitchell T. Farmer, ANL

9:30 am Investigations of Direct Containment Heating (DCH) in Geometries of European Reactors L. Meyer, FZK

10:00 am BREAK

10:30 am Melt Spreading Code Assessment, Modifications, and Initial Application to the EPR Core Catcher Design Mitchell T. Farmer, ANL

11:00 am Current Activities of CSN in the Field of Severe Accident Research F. Robledo, CSN

11:30 am Overview of KAERI Activities for IVR and FCI S-W Hong et al., KAERI

12:00 pm LUNCH

Technical Session 2 – Severe Accident Research 2

Co-Chairs: F. Robledo, CSN, and M. Steinbrueck, FZK

1:00 pm Update of the QUENCH Program M. Steinbrueck, FZK

1:30 pm Future R&D on Source Term and Mitigation: An IRSN View and the Highlight of the Most Recent Progress B. Simondi-Teissiere, IRSN

2:00 pm FZK In-Vessel Melt Behavior Experiments A. Miassoedov, FZK

2:30 pm In-Containment Iodine Chemistry: Qualitative and Quantitative Effects on Source Term E. Herranz, CIEMAT

- 3:00 pm BREAK
- 3:30 pm Modeling of Zircaloy Oxidation in Air J. Birchley, PSI
- 4:00 pm Effects of Ruthenium Release in Oxidizing Conditions on a BWR Source Term A. Suopajarvi, VTT
- 4:30 pm Comparison of Analysis Methods Applied to a Hydrogen Deflagration Test J. Duspiva, NRI
- 5:00 pm ADJOURN

Wednesday, September 16, 2009

Technical Session 3 –Severe Accident Codes; Development and Assessment

Co-Chairs: N. Mosunova, IBRAE, and R. Lee, NRC

- 9:00 am Confirmatory Analyses of Selected U.S. EPR Severe Accident Scenarios I. Madni, NRC
- 9:30 am ASTEC Intensive Use for IRSN PSA2 on PWR 1300 MWe J. Fleurot, IRSN
- 10:00 am Overview of the JNES Severe Accident Research and MELCOR Application Activities M. Ogino, JNES
- 10:30 am BREAK
- 11:00 am Impact of Instrumentation Tube Failure on Natural Circulation During Severe Accidents M. Khatib-Rahbar, ERI
- 11:30 am Thermal-Hydraulic Response and Fission Product Release Mitigation in SBO induced SGTR Accidents Y. Liao, PSI
- 12:00 pm LUNCH

Technical Session 4 – High Temperature Gas Reactor Safety Analysis

Co-Chairs: S. Guentay, PSI, and R. Gauntt, SNL

- 1:00 pm Status of NRC HTGR R&D Activities S. Basu, NRC
- 1:30 pm DOE NGNP Methods and Safety Analysis Tools R&D R. Schultz, INL
- 2:00 pm NNR Code Development and Approach to Design Assessment P. Bester, NNR
- 2:30 pm Safety Investigations for Gas and Liquid Metal Cooled Innovative Systems W. Hering, FZK
- 3:00 pm BREAK

3:30 pm	MELCOR HTGR Modeling and Assessment	M. Young, SNL
4:00 pm	Development of New Input Techniques for PBRs in MELCOR 2.1	J. Corson, TAMU
4:30 pm	Scaling Analysis for the Oregon State University High Temperature Test Facility	B. Woods, OSU
5:00 pm	Air Exchange and Air Ingress Experimental Data	S. Kim, PSU
5:30 pm	Evaluation of Point Kinetics for NNGP VHTR Core Design	T. Downar, UM
6:00 pm	ADJOURN	

Thursday, September 17, 2009

Technical Session 5 – Severe Accident Research 3

Co-Chairs: M. Ogino, JNES, and H. Esmaili, NRC

8:30 am	Recent ENEA Activities in the Field of Severe Accidents and Computer Code Calculations	F. De Rosa, ENEA
9:00 am	Overview of CNSNS Severe Accident Activities	R. Lopez, CNSNS
9:30 am	Overview and Status of MACCS	N. Bixler, SNL
10:00 am	BREAK	
10:30 am	Partner's Meeting (Open to Partners Only)	
12:00 pm	LUNCH	

MELCOR Cooperative Assessment Program (MCAP) Meeting

1:00 pm	Registration	
1:30 pm	Introduction and Opening Remarks	NRC / SNL

Technical Session 1 – Recent Applications of MELCOR

Co-Chairs: M. Salay, NRC, and J.H. Park, KAERI

2:00 pm	Status of the European MELCOR User Group Meeting	S. Guentay, PSI
2:30 pm	Application of MELCOR Analysis for Containment NPP and Support by RELAP5 Code	A. Petruzzi, UNIPI

- 3:00 pm BREAK
- 3:30 pm MELCOR 1.8.6 Core Input Model for VVER-440 P. Vokac, NRI
- 4:00 pm MELCOR and MAAP Source Term Calculation in the Estimation of Public Health Risks in Korea D. Kim, KINS
- 4:30 pm Evaluation of System Success Criteria Using MELCOR H. Esmaili, NRC
- 5:00 pm ADJOURN

Friday, September 18, 2009

Technical Session 2 – MELCOR Code Assessment

Co-Chairs: J. Duspiva, NRI, and L. Humphries, SNL

- 8:30 am Experience and Assessment of MELCOR 1.8.6 and 2.1 J. Birchley, PSI
- 9:00 am Linking the Organic Iodide Generation Model to MELCOR 1.8.5 and Its Assessment Using FPT-1 Test Data J.H. Park, et al., KAERI
- 9:30 am Postprocessing of MELCOR Results in Linux P. Vokac, NRI
- 10:00 am BREAK
- 10:30 am Assessment of Selected MELCOR Heat Transfer Physics Models B. Cheung, PSU
- 11:00 am Application of MELCOR Code to THAI Mixing and Deflagration Tests J. Duspiva, NRI
- 11:30 am ADJOURN