



Tuesday, September 18, 2007

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 W. Tromm, FZK

9:00 am SERENA-2 Preliminary Work Program S.W. Hong et al., KAERI

9:30 am KAERI Activities for Resolution of Ex-Vessel Steam Explosion Risk S.W. Hong et al., KAERI

10:00 am BREAK

10:30 am KTH Research on Debris Coolability and Steam Explosion Truc-Nam Dinh, KTH

11:00 am QUENCH Program: Recent Results and Future Activities M. Steinbrueck, FZK

11:30 am In-Vessel Melt Behavior Experiments at FZK A. Miassoedov, FZK

12:00 pm LUNCH

Technical Session 2 – Severe Accident Research 2

Co-Chairs: R. Lee, NRC, and J.P. Van Dorsselaere, IRSN

1:00 pm Status of Oxidation Experimentation on Boron Carbide Rods and Zircaloy Cladding in the Framework of the International Source Term Program Ch. Dominguez, IRSN

1:30 pm Fission Product Behaviour in the Containment during the Phebus FPT2 Test Ph. March, IRSN

2:00 pm The Real-time On-line Decision Support System RODOS W. Tromm, FZK

2:30 pm Validation of the Belgian Severe Accident Management Guidelines J. Verpoorten, Tractebel

- 3:00 pm BREAK
- 3:30 pm ARTIST International Consortium Project: Facilities and Preliminary Results Detlef Suckow, PSI
- 4:00 pm Progress with Understanding of Zircaloy/air Oxidation: Status August 2007 Y. Liao, PSI
- 4:30 pm Reactor Accident Source Term Issues for New Reactors J. Lee, NRC
- 5:00 pm State-of-the-Art Reactor Consequence Analysis (SOARCA) Project S. Burns, SNL
- 5:30 pm ADJOURN

Wednesday, September 19, 2007

Technical Session 3 –Severe Accident Codes: Development and Assessment

Co-Chairs: A. Drozd, NRC, and M. Sonnenkalb, GRS

- 8:00 am MELCOR 2.1 Status I. Khalil, SNL
- 8:30 am Towards a Wider Scope of ASTEC Applications Beyond Severe Accidents in PWR and VVER J.P. Van Dorselaere, IRSN
- 9:00 am Recent MELCOR Applications for German LWR and Future Code Development Suggestions Martin Sonnenkalb, GRS
- 9:30 am CFD Severe Accident Analysis and MELCOR Applications M. Ogino, JNES
- 10:00 am BREAK
- 10:30 am Partners' Meeting (open to partners only)
- 12:00 am LUNCH

Technical Session 4 – High Temperature Gas Reactor Safety Analysis

Co-Chairs: H. Esmaili, NRC, and Truc-Nam Dinh, KTH

1:00 pm	Overview of NGNP PIRT Activities	S. Basu, NRC
1:30 pm	Status of NGNP Fission Product PIRT	R. Lee, NRC
2:00 pm	Test Loops and Modelling Activities for Gas-cooled Systems	W. Tromm, FZK
2:30 pm	BREAK	
3:00 pm	Simulation of the FP Vapor Plate-out in OGL-1 Experiment using MELCOR	Jong-hwa Park, KAERI
3:30 pm	MELCOR Modeling of a Pebble Bed Modular Reactor	K. Vierow et al., TAMU
4:00 pm	MELCOR Development for HTGR Application	M. Young, SNL
4:30 pm	ADJOURN	

MELCOR Cooperative Assessment Program (MCAP) Meeting

Thursday, September 20, 2007

8:00 am	Registration	
8:30 am	Introduction and Opening Remarks	NRC / SNL
	<u>Technical Session 1 – Recent Applications of MELCOR</u>	
	Co-Chairs: Chang-Wook, KINS, and R. Gauntt, SNL	
9:00 am	Evaluation of Kori-1 Severe Accident Management Guideline using MELCOR FCL Package	Chang-Wook et al., KINS
9:30 am	MELCOR Assessment against PUMA Drain Line Break and PUMA GDCS Line Break Integral Tests	K. Vierow et al., TAMU
10:00 am	BREAK	
10:30 am	Demonstration of MELMACCS MELCOR to WinMACCS Interface	N. Bixler, SNL
11:00 am	Review of the Regulatory Source Term using the MELCOR Code	R. Gauntt, SNL
12:00 pm	LUNCH	
1:00 pm	MELCOR Application to Yucca Mountain Leak Path Factor Assessments	D. Kalinich, SNL
1:30 pm	Modeling of VHTRs for the Generation of Hydrogen	S. Rodriguez, SNL
2:00 pm	Status of Decision Making Tool for NRC Operations Center	H. Esmaili, NRC
	<u>Technical Session 2 – MELCOR Code Assessment</u>	
	Co-Chairs: J. Duspiva, NRI, and L. Humphries, SNL	
2:30 pm	MELCOR Analysis of the Paks-2 Event	KC Wagner, SNL
3:00 pm	Simulation of Quench-11 Test with MELCOR 1.8.6 Code	J. Duspiva, NRI
3:30 pm	BREAK	
4:00 pm	MELCOR TMI-2 Assessment	L. Humphries, SNL
4:30 pm	MELCOR 2.1 Assessment Studies	N. Mosunova, IBRAE
5:00 pm	ADJOURN	