

May 2-3, 2013**KTH - Alfabova, Roslagstullsbacken 21, Stockholm****Agenda****May 2, 2013 / Room FA32.***B. Jaeckel / W. Ma*

Registration			09:00-09:30
Welcome and Opening Remarks	S. Bechta, W. Ma	KTH	09:30-09:45
Section 1 – Status of MELCOR			
• Update of MELCOR Code Development and Assessment	L.L. Humphries	SNL	09:45-10:45
Coffee Break			
			10:45-11:00
Section 2 – Analysis of Spent Fuel Pool			
• Spent Fuel Pool Boil Down Calculations with MELCOR 1.8.6	B. Jaeckel	PSI	11:00-11:25
• Spent Fuel Pool Model for VVER-1000 (V320) with MELCOR 2.1	K. Mancheva	Risk Engineering Ltd.	11:25-11:55
• Challenges and Solutions for Simulating a Spent Fuel Pool	M. Loeffler	AREVA	11:55-12:25
Lunch			
			12:25-13:30
Section 3 – Simulation of Experiments			
• DCH Input Data Preprocessing for MELCOR 1.8.6	P. Vokáč	UJV	13:30-13:55
• Phehus FPT3 test Stand Alone Containment Simulation with MELCOR 1.8.6	L.G. Horvath	NUBIKI	13:55-14:20
• MELCOR verification on Marviken experiments	N. Mosunova	IBRAE	14:20-14:45
Section 4 – Plant Applications			
• MELCOR SBO Analyses for a 2-Loop PWR	A. Rydl	PSI	14:45-15:10
Coffee Break			
			15:10-15:25
• AP1000 MELCOR Simulation	Y. Chen	SNPRI	15:25-15:55
• Sensitivity Studies Related to MELCOR 2.1 Nodalizations for VVER-1000 (V320) Plant Models	E. Borisov	Risk Engineering Ltd.	15:55-16:30
Dinner			
			18:00

May 3, 2013, Morning / Room FB42

T. Steinrötter / J. Birchley

Section 5 – Other Activities

- Improved In-Vessel-Retention Model W. Rapp Westinghouse Germany 09:00-09:20
- Generic containment simulation using MELCOR 2.1 J. Jancovic VUJE 09:20:09:35
- PSI Air Oxidation Model in MELCOR: Part 1: Implementation and Verification J. Birchley PSI 09:35-10:00
- PSI Air Oxidation Model in MELCOR: Part 2: Analysis of Experiments and Model Assessment L. Fernandez-Moguel PSI 10:00-10:25

Coffee Break

- Coupling of MELCOR and GASFLOW for Enhanced Simulation of Hydrogen Distribution During Accident Analysis T. Szabo KIT 10:25-10:40
- MELCOR code parallelization I. Drobyshevskaya IBRAE 10:40:11:05
- 11:05-11:30

Section 6 – Overview of MELCOR Activities

- Current Activities at GRS Regarding the Application of the MELCOR Code T. Steinrötter GRS 11:30-12:00
- Overview of MELCOR Activities in CIEMAT C. Lopez CIEMAT 12:00-12:20
- Overview of MELCOR activities at KTH W. Ma KTH 12:20:12:35

Lunch

12:35-13:30

Afternoon / Room FA32

T. Steinrötter / J. Birchley

Section 7 – MELCOR and SNAP

- Applications of MELCOR and SNAP J. Phillips SNL 13:30-15:00

Coffee Break

15:00-15:15

Section 8 – Fukushima Analysis

- Severe Accident Analysis for Fukushima Daiichi Unit 2 NPP Y. Chen KTH 15:15-15:45

Section 9 – Discussions

All 15:45-16:15

Lab Tour

Participants of interest 16:15-17:30

Adjourn

17:30

Direction to KTH-Albanova

If taking subway, from Metro Station “Tekniska Högskolan”, take exit Korbacksvägen. Walk toward Roslagstullsbacken or take bus 43 or 44, toward Ruddamen to the last stop, then walk 100m toward the Albanova’s main building.

Meeting Room: FA32 on the 3rd floor, FB42 on the 4th floor



Should you have any questions, please contact

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