

European MELCOR User Group Meeting

Organized and hosted by ENEA

Bologna, ITALY

April 11-12, 2011

Monday, 11 April 2011

10 ⁰⁰	10 ³⁰	Registration		
10 ³⁰	10 ⁴⁵	Welcome to participants	Stefano Monti	ENEA
10 ⁴⁵	11 ¹⁵	Fukushima accident description	Marco Sangiorgi	ENEA
11 ¹⁵	11 ⁴⁵	Simulations of core behavior for units 1,2 and 3, as well as SFP for unit 4 using Russian severe accident SOCRAT code.	Valery Strizhov	IBRAE
11 ⁴⁵	12 ¹⁵	Break		
12 ¹⁵	12 ⁴⁵	Brief evaluations on available times based on oxidation kinetics of fuel cladding in air which might be valid for SFP	Gabor Horvath	NUBIKI
12 ⁴⁵	13 ¹⁵	Calculations regarding the spent fuel pool problem	Bernd Jaeckel	PSI
13 ¹⁵	14 ³⁰	Lunch		
14 ³⁰	15 ³⁰	MELCOR Validation against Experiments on Hydrogen Distribution and Deflagration	Jiří Duspiva	UJV
15 ³⁰	16 ⁰⁰	Investigations of gas-stratification break-up in containment for reactor safety issues	Domenico Paladino	PSI
16 ⁰⁰	16 ³⁰	Discussion		

Tuesday, 12 April 2011

9 ⁰⁰	9 ³⁰	<i>Welcome coffee</i>		
9 ³⁰	10 ¹⁵	Current MELCOR development	Larry Humphries	Sandia NL
10 ¹⁵	11 ⁰⁰	MELCOR SNAP simulation tool DEMO	Jesse Phillips	Sandia NL
11 ⁰⁰	11 ³⁰	<i>Break</i>		
11 ³⁰	12 ⁰⁰	Experiences with MELCOR 1.8.6 for Level 2 PSA Plant Analyses	Thomas Steinrötter	GRS
12 ⁰⁰	12 ³⁰	Modelling of Molten-Corium Concrete Interaction using MELCOR 1.8.6	Bernd Jaeckel	PSI
12 ³⁰	13 ⁰⁰	MELCOR 2.1 code performance improvement	Nastasia Mosunova	IBRAE
13 ¹⁵	14 ³⁰	<i>Lunch</i>		
14 ⁴⁰	15 ⁰⁰	Generic Containment Benchmark comparison	Marco Sangiorgi	ENEA
14 ⁴⁰	15 ⁰⁰	Development of an expert system VEHA	Svetlin Philipov	Risk Eng.
15 ⁰⁰	15 ²⁰	Volatile Iodine Release from VVER-440/213 Containment during Severe Accidents with Accident Management Measures using MELCOR	Gabor Horvath	NUBIKI
15 ²⁰	15 ⁴⁰	<i>Break</i>		
15 ⁴⁰	16 ⁰⁰	Overview of 2010 CIEMAT activities involving the MELCOR code	Claudia Lòpez	CIEMAT
16 ⁰⁰	16 ²⁰	MELCOR post-processing using open source tools	Petr Vokac	UJV
16 ²⁰	17 ³⁰	Discussion and meeting closure		