

# EMUG 2016 – Agenda



## 8<sup>th</sup> Meeting of the “European MELCOR User Group” Imperial College

Royal School of Mines,  
Prince Consort Road,  
Kensington, London,  
SW7 2BP  
April 6-7, 2016

<b>Wednesday 6<sup>th</sup> April, 2016 Lecture Theatre G41</b>			
Registration			08:00 - 08:30
<b>Conference Opening</b>			
Welcome and announcements.	A Tehrani	ONR	08:30
Introduction from Imperial College London.	C Pain	Imperial College	08:35
Introduction from Amec Foster Wheeler	M Turner	Amec Foster Wheeler	08:50
Key Note Address Office for Nuclear Regulation	M Foy	ONR	09:05
<b>Session 1: MELCOR: current status and post-Fukushima considerations</b>			
Formal opening of the first session			09:35
Status of MELCOR Code Development	L Humphries	Sandia	09:40
Break			10:25 – 10:40
Assessment of the Post-Fukushima Improvement of SAMs	T Steinroetter	GRS	10:40
'Fukushima-like' Scenarios	A Rydl	PSI	11:35
Lunch			12:10 – 13:00
<b>Session 2: Model Development and Assessments</b>			
Formal opening of the second session			13:00
Recent Containment Design Basis Accident Analyses	J Phillips	Sandia	13:05
Particle Depletion in Simplified Geometries	J Kalilainen	PSI	13:50
Break			14:30 – 15:00
MELCOR Application to the Analysis of SMR	F Alcaro	NRG	15:00
MELCOR Application in the NPP Krško Safety Upgrade Program	S Sadek	FER	15:30
Current application of MELCOR 2.1 Code at Bel V	M Adorni	Bel V	16:05

## EMUG 2016 – Agenda

Proof-of-concept Gas Reactor MELCOR Model	P Boneham	Jacobsen	16:35
Dinner announcement	K Platts	Amec Foster Wheeler	17:15
Meet at hotel reception for the bus to the dinner			18:45
Conference Dinner at One Birdcage Walk, Westminster			19:30 – 22:00
<b>Thursday 7<sup>th</sup> April 2016 Lecture Theatre G41</b>			
<b>Session 3: Sensitivities, Comparisons and Fusion Applications</b>			
Formal opening of the third session			08:30
Sensitivity Analysis of the Containment venting time of Nordic BWR	H Zhang	KTH	08:35
Comparison of Air Oxidation Models in SA Codes	F Alcaro	NRG	08:50
Analyses of Sodium Pool Fire Experiments with MELCOR and ASTEC-CPA Codes	F Mascari	ENEA	09:20
Break			10:00 – 10:25
Application of MELCOR 1.8.6 for fusion in comparison with the pedigreed MELCOR 1.8.2 for ITER to simulate DEMO HCPB in-box LOCA	Jin	KIT	10:25
Safety assessment of the European 'Helium-cooled Pebble Bed	A Grief	Amec Foster Wheeler	11:00
Helium-cooled Lithium Lead (HCLL)' Tritium Breeding Modules	S Owen	Amec Foster Wheeler	11:40
Lunch			12:20 – 13:10
<b>Session 4: Spent Fuel Pool and GFR Applications</b>			
Formal opening of the fourth session			13:10
Conversion of SFP input deck from MELCOR 1.8.6 to 2.1 and back	B Jäckel	PSI	13:15
MELCOR 1.8.6 Simulation of Severe Accidents Simultaneously Ongoing in the Reactor Core and in the Spent Fuel Pool of the VVER-1000 Type of Reactor	M Kotouc	UJV	13:50
Spent Fuel Pool and Ventillation System Model	Horvath	Nubiki	14:30
Break			15:00 – 15:20
Analysis of Severe Accidents of Spent Fuel Pool	F Alcaro	NRG	15:20
Safety Analysis of Severe Accident of Spent Fuel Pool	Z Huang	KTH	15:50
Modelling a Gas Cooled Fast Reactor in MELCOR 2.1	P.Vacha	UJV	16:15
Open Discussion and Arrangements for EMUG 2017	Open		16:40
Close			17:00

# EMUG 2016 – Agenda

<b>Friday 8<sup>th</sup> April 2016 Room G35</b>			
Private meeting room has been made available for guests. A schedule can be arranged for the meeting room if the demand requires it. Teleconference facilities are available.			08:30 – 13:00

## Chair Schedule

<b>Session</b>	<b>Chairs</b>	<b>Time</b>
<b>Host Speakers and Session 1: MELCOR: Current Status and Fukushima Considerations</b>	Prof. Paul Smith Dr. Bernd Jaeckel	Wednesday 08:30-12:10
<b>Session 2: Model Development and Assessments</b>	Prof. Chris Pain Dr. Martina Adorni	Wednesday 13:00-17:45
<b>Session 3: Sensitivities, Comparisons and Fusion Applications</b>	Dr. Martin Turner Dr. Fulvio Mascari	Thursday 08:30-12:20
<b>Session 4: Spent Fuel Pool and GFR Applications</b>	Dr. Thomas Steinrotter Mr. Patrick Isaksson	Thursday 13:10-16:40
<b>Closing Discussions Open forum.</b>	Prof. Ali Tehrani	Thursday 16:40-17:00