

Safety Assessment of Fast Reactors
ESNII+ Seminar W7
at GRS gGmbH Garching,
10 – 12 July 2017
Agenda

It is foreseen to have a guided tour at the *Research Neutron Source Heinz Maier-Leibnitz (FRM II)* of Technical University of Munich (TUM) (www.frm2.tum.de) and alternatively at experimental facilities, Chair of Thermodynamics, TUM.

Monday, 10 July 2017

	13:00	Introduction of GRS & organizational information	GRS
	13:15	ESNII+ WP5 Opening/Introductory remarks	A. Vasile (CEA)
Concepts and Safety Features of Fast Spectrum Reactors – the ESNII+ scope			
1	13:30	Sodium-cooled systems including ASTRID	A. Vasile (CEA)
2	13:50	Lead-cooled systems including ALFRED	G. Grasso (ENEA)
3	14:10	Gas-cooled fast systems including ALLEGRO	P. Vácha (ÚJV)
4	14:30	Lead-bismuth-cooled system MYRRHA	D. De Bruyn (SCK-CEN)
5	14:50	Transmutation perspectives and safety related aspects	B. Merk (NNL)
	15:20	Break	
Nuclear Safety and Licensing & Regulatory Aspects			
6	15:50	Risk & Safety Working Group on GenIV Systems (GIF): organization, status and outputs	G. Fiorini
7	16:20	IAEA Activities on Fast Reactors: Safety, Coordinated Research Projects, and Benchmarks	V. Kriventsev (IAEA)
8	16:50	Considerations on safety claims for licensing GenIV reactors	M. Nitoi (INR)
	17:20	End of the first day	
	18:00	Dinner at GRS	

Tuesday, 11 July 2017

Nuclear Safety and Licensing & Regulatory Aspects			
9	9:00	Licensing aspects of MYRRHA	D. De Bruyn (SCK-CEN)
10	9:30	The SARGEN IV project	F. Puente-Espel (ININ)
Experimental Facilities and Benchmarks in Support of Safety Studies			
11	10:00	Activities within MAXSIMA and MYRTE	D. Castelliti (SCK-CEN)
12	10:30	Benchmarks in Support of Safety Studies	G. Rimpault (CEA)
	11:00	Break	
Computational Safety Assessment Methods and Codes - State of the art, current R&D trends, challenges -			
13	11:30	Thermal hydraulic methods & codes for sodium cooled fast neutron reactors	C. Geffray (CEA)
14	11:50	Thermal hydraulic methods & codes for lead cooled fast neutron reactors	G. Grasso (ENEA)
15	12:10	Neutronic methods & codes for fast neutron critical reactors	K. Mikityuk (PSI)
	12:30	Lunch break	
	14:00	Guided tours: - Research Neutron Source Heinz Maier-Leibnitz (FRM-II) - Experimental facilities at the Chair of Thermodynamics of TUM.	
16	16:30	Neutronic methods & codes for accelerator driven systems	A. Stankovskiy (SCK-CEN)
17	16:50	Thermal hydraulic methods & codes for gas cooled fast reactors	P. Vácha (ÚJV)
	17:10	End of the second day	

Wednesday, 12 July 2017

Computational Safety Assessment Methods and Codes - State of the art, current R&D trends, challenges -			
18	9:00	Neutronic methods & codes for gas cooled fast reactors	P. Vácha (ÚJV)
19	9:30	Uncertainty and sensitivity assessment methods & codes	W. Zwermann (GRS)
	10:00	Break	
EU projects: Current Status and Near Future			
20	10:30	ESNII+ Core Safety ASTRID	K. Mikityuk (PSI)
21	10:50	ESNII+ Core Safety ALFRED	G. Grasso (ENEA)
22	11:10	ESNII+ Core Safety ALLEGRO	A. Keresztúri (MTA-EK)
23	11:30	MAXSIMA	D. Castelliti (SCK-CEN)
24	11:50	FP7 CHANDA WP10 & WP11: Support in nuclear data and high-energy models for safety studies for MYRRHA	A. Stankovskiy (SCK-CEN)
25	12:10	ESFR-SMART: Aims and scopes	K. Mikityuk (PSI)
	12:30	End of W7 seminar	