



**Cluster Organized Progress Meeting
JSI, Ljubljana**

Tuesday 20 March 2018

09:00	Welcome (Tiselj)
09:15	Interest & contribution as SESAME SAC member (Benhamadouche, EDF)
Experiments Cluster	
09:35	Backward Facing Step experiments (Jäger, KIT) [WP1]
09:55	Low Prandtl Wind Tunnel BFS and free jet experiments (Planquart, VKI)[MYRTE]
10:15	Rod Bundle Mock-up for Vibrations and Validation (Bertocchi, TUD) [WP1,2]
10:35	Flow Blockage Formation Experiments (Litfin, KIT) [MYRTE]
10:50	Break
11:10	Fuel Bundle vibration experiment (Kennedy, SCK) [MYRTE]
11:30	Fretting Experiments (Weisenburger, KIT) [MYRTE]
11:50	Inter-wrapper flow LBE experiment (Pacio, KIT) [WP2]
12:10	NACIE Fuel Assembly experiments (Di Piazza, ENEA) [WP2]
12:30	Lunch
13:30	ESCAPE Experiments (Van Tichelen, SCK) [MYRTE]
13:55	CIRCE-HERO Experiments (Tarantino, ENEA) [WP4, MYRTE]
14:20	Meliloo Solidification Experiments (Moreau on behalf of Melichar, CVR) [WP3]
15:10	TALL Experiments for Solidification and Pool (Grishchenko, KTH) [WP3,4]
Break	
15:30	Instrumentation for TALL and ESCAPE (Franke, HZDR) [WP3, MYRTE]
15:45	Complete Core Specification ASTRID (Gerschenfeld, CEA) [WP2]

System Cluster	
16:00	STH or multi-scale modelling of TALL (Geffray, CEA) [WP5]
16:20	STH modelling of NACIE-UP (Forgione, UniPi) [WP5]
16:40	STH modelling of NACIE using Relap (Narcisi, URom) [WP5]
17:00	STH modelling and UQ of NACIE using ATHLET (Hollands, GRS) [WP5]
17:20	Multiscale modelling at ANL for a complete core and Phenix (Kraus, ANL) [WP2,5] + short update on wire wrapped fuel assembly models [WP2]
17:45	Adjourn

Wednesday 21 March 2018

System Cluster	
09:00	Multiscale modelling and UQ of TALL using ATHLET-ANSYS CFX (Papukchiev, Liu GRS/TUM) [WP5]
09:20	Multiscale modelling at CEA for a complete core and Phenix (Gerschenfeld, CEA) [WP2,5]
09:40	Multiscale modelling at KIT for a complete core and Phenix (Wang, KIT) [WP2,5]
10:00	Multiscale modelling at ENEA for CIRCE, NACIE, and TALL (Polidori, ENEA) [WP5]
10:20	Break
10:40	Multiscale modelling at NRG for Phenix and CIRCE (Alcaro, NRG) [WP5]
11:00	Multiscale modelling at KTH for TALL (Grishchenko, KTH) [WP5]
11:20	Multiscale modelling at UniPi for NACIE and CIRCE (Forgione, UniPi) [WP5, MYRTE]
11:50	Multiscale modelling at SCK for ESCAPE (Toti, SCK) [MYRTE]
12:10	Multi-physics modelling fuel assembly (Diaz-Chiron, CIEMAT) [MYRTE]
12:30	Lunch

CFD Cluster (LES/DNS Simulations)	
13:30	Confined Backward Facing Step DNS (Oder, JSI) [WP1]
13:45	Confined Backward Facing Step LES (Otic, KIT) [WP1]
14:00	Unconfined Backward Facing Step (Buckingham, VKI) [MYRTE]
14:15	Mixed Convection (Niceno, PSI) [WP1]
14:30	Free Jet (Cascioli, SCK) [MYRTE]
14:45	Impinging Jets and free shear layer (Duponcheel, UCL) [WP1, MYRTE]
15:05	Mixing jets and rod bundle (Stalio/Angeli, UMR) [WP1,2]
15:30	Break
CFD Cluster	
16:00	Turbulence heat flux modelling (A. De Santis, NRG) [WP1, MYRTE]
16:20	Turbulence heat flux modelling (Cascioli, SCK) [MYRTE]
16:35	Turbulence heat flux modelling (Villa, VKI) [WP1, MYRTE]
16:50	Turbulence heat flux modelling (Narajaran, ASCOMP) [WP1]
17:05	Vibration Modelling (Degroote, UGent) [WP1, MYRTE]
17:30	Vibration Modelling (Shams, NRG) [WP1, MYRTE]
18:00	Adjourn

Thursday 22 March 2018

CFD Cluster	
09:00	Fuel assembly modelling wire wraps (Dovizio, NRG) [WP2]
09:15	UQ for wire wrapped fuel assemblies (Pointer, ORNL) [WP2]
09:30	Solidification modelling at CRS4 (Moreau, CRS4) [WP3]
09:45	Solidification modelling at CVR (Frybort, CVR) [WP3]
10:00	Solidification modelling at KTH (Grishchenko, KTH) [WP3]
10:15	Break
10:45	POD-ROM modelling for TALL (Yanez, KIT) [WP3]
11:00	Pool modelling for ESCAPE (Keijers, SCK) [MYRTE]
11:15	Pool modelling for MYRRHA (Villa, VKI) [MYRTE]
11:30	Pool modelling for CIRCE, ESCAPE, and ALFRED (Dovizio, NRG) [WP3, MYRTE]
12:00	Pool modelling for TALL, CIRCE, and MYRRHA (Moreau, CRS4) [WP3, MYRTE]
12:30	Lunch
SESAME General Assembly Session	
13:30	Education Training, and Dissemination (Planquart, VKI) [SESAME,MYRTE]
13:45	SESAME Progress Report & Coordination Messages (Roelofs, NRG)
14:30	Project Office (Kampata, LGI)
14:45	General Assembly Meeting (Any Other Business)
15:00	Adjourn/Break

Thursday 22 March 2018
15:15 – 17:30 SESAME PMB