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Joint ICTP-IAEA Workshop on Physics and Technology of Innovative High Temperature Nuclear Energy Systems | (smr 3281)

Monday 14 October 2019

notitle - Leonardo Building Lobby (08:30-08:45)

time	title	presenter
08:30	Registration formalities	

Opening - Euler Lecture Hall (LB) (08:45-09:00)

notitle - Euler Lecture Hall (LB) (09:00-18:00)

time	title	presenter
09:00	1. Overview of programme Self Introduction Practical arrangements Mentimeter	REITSMA, Frederik
10:00	Group Photo and Coffee break	
10:30	2. Nuclear Power Technology Evolution	REITSMA, Frederik
11:30	3. Short overview of the Generation IV reactor systems and SMRs	REITSMA, Frederik
12:30	Lunch break	
13:30	Administrative formalities	
14:30	4. Fundamentals and Innovative Designs of Molten-Salt Reactors	BUIJS, Adriaan
15:30	Coffee break	
16:00	5. General information on MSRs programme in the Russian Federation	FEYNBERG, Olga
17:00	6. HTGR history	HITNER, Dominique

notitle - Leonardo Building Cafeteria (18:00-20:00)

time	title	presenter
18:00	Welcome reception	

Tuesday 15 October 2019

notitle - Euler Lecture Hall (LB) (09:00-17:00)

time	title	presenter
09:00	1. HTGR Safety Design Principles	REITSMA, Frederik
10:00	Coffee break	
10:30	2. Prismatic HTGRs	HITNER, Dominique
12:30	Lunch break	
13:30	4. MSRs for TRU transmutation (MOSART, safety features, etc)	FEYNBERG, Olga
14:30	5. Group Activity: MSR calculations with MC	BUIJS, Adriaan REITSMA, Frederik
15:30	Coffee break	
16:00	6. Poster Session (participants)	BUIJS, Adriaan HITNER, Dominique FEYNBERG, Olga

Wednesday 16 October 2019

notitle - Euler Lecture Hall (LB) (09:00-17:00)

time	title	presenter
09:00	1. Analysis Support for Enhanced Nuclear Energy Sustainability: IAEA/INPRO service to Member States	KUZNETSOV, Vladimir
10:00	Coffee break	
10:30	2. Framework for Analysis and Evaluation of Transition Scenarios to Sustainable Nuclear Energy Systems: Message-NES tool and NEST tool	KUZNETSOV, Vladimir
11:30	3. Application of Multi-criteria Decision Analysis Methods to Comparative Evaluation of Nuclear Energy System/ Scenario Options: KIND approach and KIND evaluation tool	KUZNETSOV, Vladimir
12:30	Lunch break	
13:30	4. Developing Roadmaps to Enhance Nuclear Energy Sustainability: Roadmap template and ROADMAPS Excel based tool	KUZNETSOV, Vladimir
14:30	5. European projects on HTGRs	HITNER, Dominique
15:30	Coffee break	
16:00	6. Poster Session (participants)	KUZNETSOV, Vladimir BUIJS, Adriaan REITSMA, Frederik

Thursday 17 October 2019

notitle - Euler Lecture Hall (LB) (09:00-17:00)

time	title	presenter
09:00	1. Overview of non-electric applications of nuclear energy and cogeneration	KHAMIS, Ibrahim
10:00	Coffee break	
10:30	2. Nuclear hydrogen production	KHAMIS, Ibrahim
11:30	3. Nuclear Desalination	KHAMIS, Ibrahim
12:30	Lunch break	
13:30	4. IAEA tools on non-electric toolkits - Short introduction on water management	KHAMIS, Ibrahim
14:30	5. Group Activities on IAEA water management toolkit	KHAMIS, Ibrahim REITSMA, Frederik
15:30	Coffee break	
16:00	6. Pebble bed HTGRs	REITSMA, Frederik

Friday 18 October 2019

notitle - Euler Lecture Hall (LB) (09:00-13:30)

time	title	presenter
09:00	1. Production of medical isotopes in MSR	FEYNBERG, Olga
10:00	Coffee break	
10:30	2. The IAEA activities on Advanced Reactors Technology and SMRs	REITSMA, Frederik
11:30	3. Special HTGR topics: Modelling, tools and uncertainty analysis	REITSMA, Frederik
12:30	Lunch break	

Closing session - Feedback, final remarks and closing - Euler Lecture Hall (LB) (13:30-14:30)