Date/Time Program – Update October 23, 2013

Sunday 27/10/2013

17:00 - 20:00 Reception at Hotel President Wilson – Distribution of participant kit including CERN access pass

47, quai Wilson, Geneva

Monday 28/10/2013

07:30 - 08:45	Registration for those who could not register at the reception on Sunday evening Opening Ceremony (Chair: Jean-Pierre Revol)	
09:00 - 09:15	Welcome	
09:15 - 09:40	Introduction of ThEC13 by representative of iThEC (Claude Haegi, Former President of Geneva Government)	
09:40 - 10:20	A Future for Thorium Power? (Carlo Rubbia, IASS, Potsdam, Germany; GSSI, L'Aquila, Italy)	
10:20 - 10:30	Conference Photo	
10:30 - 11:00	Coffee break	
	Session 1	
44.00.44.20	National & International Thorium Programmes (Chair: Anil Kakodkar)	
11:00 - 11:30	Towards sustainable, secure and safe energy future: Leveraging opportunities with Thorium (Anil Kakodkar, India)	
11:30 - 12:00	Thorium Energy R&D in China (Hongjie Xu, SINAP, China)	
12:00 - 12:30	The Japanese Thorium Programme (Toshinobu Sasa, JAEA, Japan)	
12:30 - 13:00	Thorium Fuel Cycle activities in IAEA (Uddharan Basak, IAEA)	
13:00 - 13:30	Overview of European Experience with Thorium fuels (Didier Haas, Belgium)	
13:30 - 15:00	Lunch break	
	Session 2	
	National & International Thorium Programme (Chair: Alex Mueller)	
15:00 - 15:30	Overview of the Thorium Programme in India (Pallippattu Krishnan Vijayan, BARC, India)	
15:30 - 16:00	The UK's strategy on thorium nuclear technologies (Robert Arnold, Department of Energy and Climate Change, London, UK)	
16:00 - 16:30	The Feasibility and Desirability of Employing Thorium Fuel Cycle for Power Generation (Bal Raj Sehgal, Nuclear Power Safety, Sweden)	
16:30 - 17:00	MYRRHA: A Flexible and Fast Spectrum Irradiation Facility (Hamid Ait Abderahim, SCK-CEN Mol,	
10.50 17.00	Belgium)	
17:00 - 17:30	Coffee break	
	Session 3	
	Innovative Thorium-Reactor Concepts (Chair: Alex Mueller)	
17:30 - 18:00	The Thorium Cycle: Past Achievements & Future Prospects (Dominique Grenèche, ex-CEA, France)	
18:00 - 18:30	Thorium Molten Salts, Theory and Practice (Paul Madden, Queen's College, UK)	
18:30 - 19:00	Flibe Energy LFTR Development Strategy (Kirk Sorensen, Flibe Energy, USA)	

Tuesday 29/10/2013

Session 4

	Innovative Thorium-Reactor Concepts (Chair: Sylvie Delpech)
08:30 - 09:00	An industrial view on Thorium: Possibilities, Challenges and Paths forward
	(Luc Van Der Durpel, AREVA, France)
09:00 - 09:30	Global and Turkish perspectives of Thorium fuel for nuclear energy (Muammer Kaya, Osmangazi
	University, Turkey)

09:30 - 10:00	Opportunities and Challenges for Thorium in Commercial MSRs (Tony Donaldson and Joel Turner,	
	Rolls-Royce, UK)	
10:00 - 10:30	Current Czech R&D in Thorium MSR Technology and Future Directions (Jan Uhlir, Research Centre Rez, Czech Republic)	
10:30 - 10:55	Coffee break	
	Session 5	
	Innovative Thorium-Reactor Concepts (Chair: Egil Lillestol)	
10:55 - 11:00	Conference Photo	
11:00 - 11:15	Welcome (Rolf Heuer, CERN DG, CERN, Geneva, Switzerland)	
11:15 - 11:45	Thorium Nuclear Power and Non-Proliferation (Hans Blix, ex Director General of IAEA, Sweden)	
11:45 - 12:15	The Road to Enablement for a Liquid-Fuel Reactor Fuelled by Thorium (John Durham, Weinberg Foundation, UK)	
12:15 - 12:45	Thorium in LWRs: first results from the ongoing irradiation campaign in the Halden Reactor (Øystein Asphjell, SCATEC, Oslo, Norway)	
12:45 - 14:30	Lunch break	
	Session 6	
	Thorium-Fuel Cycle & Transmutation (Chair: Yacine Kadi)	
14:30 - 15:00	Utilization Potential of Thorium in CANDU Reactors and in Fusion-Fission (Hybrid) Reactors (Sümer Sahin, Atılım University, Turkey)	
15:00 - 15:30	Introducing the Thorium Fuel Cycle (Daniel P. Mathers NNL, UK)	
15:30 - 16:00	Recycling Challenges of thorium-based fuels (Piaray Kishen Wattal, BARC, India)	
16:00 - 16:30	Aqueous and Pyro-reprocessing (Sylvie Delpech, CEA, France)	
16:30 - 17:00	PSI Studies on Advanced fuel cycle options for Fast/Thermal MSR Utilizing Thorium (Jiri Krepel, PSI, Switzerland)	
17:00 - 17:30	Coffee break	
	Session 7	
	Thorium-Fuel Cycle & Transmutation (Chair: Yacine Kadi)	
17:30 - 18:00	Nuclear Data Development Related to Th-U Fuel Cycle in China (Haicheng Wu, CIAE, China)	
19:30 - 23:30	Conference banquet at Hotel President Wilson, Geneva	
	Conference banquet talk delivered by M. Pascal Couchepin	
	Former President of the Swiss Confederation	
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Wednesday 30/10/2013		
	Session 8	
00.20 00.00	Thorium-Reactor Physics (Chair: Robert Cywinski)	
08:30 - 09:00	Nuclear Data Development Related to Th-U Fuel Cycle in India (Srinivasan Ganesan, BARC, India)	
09:00 - 09:30 09:30 - 10:00	Nuclear Data for the Thorium Fuel Cycle and Transmutation (Frank Gunsing, CEA, France) Fast Reactor Physics (Konstantin Mikityuk, PSI, Switzerland)	
10:00 - 10:30	Introduction to the Physics of Thorium Molten Salt Fast Reactors (Elsa Merle-Lucotte, IN2P3 CNRS,	
10.00 10.00	Grenoble, France)	

Session 9

Accelerator-Driven Systems (Chair: Mike Seidel)

11:00 - 11:30 ADS Physics and Motivations (Jean-Pierre Revol, iThEC/CERN, Geneva, Switzerland)

Coffee break

10:30 - 11:00

11:30 - 12:00	Review of Accelerators for ADS (Alex C. Mueller, CNRS-IN2P3, France)
12:00 - 12:30	Cyclotrons for ADS (Pierre Mandrillon, AIMA, France)
12:30 - 13:00	Euratom MAX Program: the MYRRHA Accelerator Experiment (Frederic Bouly, LPSL Grenoble, France)
13:00 - 13:30	Accelerator development for ADSR(Roger Barlow, Huddersfield University, UK)
13:30 - 14:45	Lunch (shorter lunch time)
	Session 10
	Accelerator-Driven Systems (Chair: Karel Samec)
14:45 - 15:05	Spallation Target Developments (Michael Wohlmuther, PSI, Switzerland)
15:05 - 15:30	MEGAPIE: the world's first high-power liquid metal spallation neutron source (Christian Latgé, CEA, France)
15:30 - 16:00	Thorium Target Design for Accelerator Driven-Molten Salt Reactors (Laszlo Sajo-Bohus, Universidad Simon Bolivar, Venezuela)
16:00 - 16:30	Virginia ADS Consortium (Ganapati Myneni, Virginia Tech, USA)
17:00 - 17:30	Coffee break
	Session 11
	Accelerator-Driven Systems (Chair: Andreas Pautz)
17:30 - 18:00	KURRI Thorium-loaded ADS Experiment (Cheolho PYEON, Research Reactor Institute, Kyoto University, Japan)
18:00 - 18:30	A Status and Prospect of Korea ADS (Jong-Seo Chai, Sungkyunkwan University, Seoul, Korea)

Thursday 31/10/2013

13:30 - 15:00 *Final lunch*

	Session 12
	Accelerator-Driven Systems (Chair: Karel Samec)
08:30 - 09:00	The Troisk ADS Project (Stanislav F. Sidorkin, INR-Troisk, Russia)
09:00 - 09:30	China ADS projects (Lei Yang, IMP CAS, China)
09:30 - 10:00	Accelerator Driven Systems for thorium utilization in India (S.B. Degweker, BARC, India)
10:00 - 10:30	The iThEC Strategy (Yacine Kadi, iThEC/CERN, Geneva, Switzerland)
10:30 - 11:00	Coffee break
	Session 13
	Round Table Discussion
11:00 - 13:00	Introduction: 7 times 5 minute presentations by session chairs:
	 National & International Thorium Programmes (Sessions 1 and 2; Anil Kakodkar, Alex Mueller)
	Innovative Thorium Reactor Concepts (Sessions 3, 4, 5; Egil Lillestol, Sylvie Delpech)
	 Thorium-Fuel Cycle and Transmutation (Sessions 6 and 7)
	– Thorium-Reactor Physics (Session 8; Robert Cywinski)
	 Accelerator-Driven Systems: The accelerator (Session 9; Mike Seidel); The spallation target
	(Session 10; Yacine Kadi); National projects (Sessions 11 and 12; Andreas Pautz, Karel Samec)
	 Discussion: Critical vs subcritical systems for thorium - relative merits; next steps in thorium
	technology developments; international collaboration framework
12:30 - 13:00	Conference summary and a look into the future of thorium technologies
	(Jean-Pierre Revol, iThEC, Geneva, Switzerland)
13:00 - 13:30	Closing Ceremony (Egil Lillestol, Andreas Norlin)

End of ThEC13