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SUMMER SCHOOL

on Actinide Science & Applications

Programme

Monday 15 June 2015 (KIT – FTU)

13:00 – 14:00	Registration	
14:00 – 14:15	Welcome by the school chairman and ITU director	J.-P. Glatz & M. Betti
14:15 – 15:15	The physics of the actinides	L. Havela (Charles Univ.)
15:15 – 16:15	Theoretical aspects of chemical and electronic properties of actinides	V. Vallet (Univ. Lille)
16:15 – 16:30	Break	
16:30 – 17:30	Chemistry and physics of (super-) heavy elements	C. Düllmann (Univ. Mainz)

Tuesday 16 June 2015 (JRC – ITU)

09:00 – 10:00	The chemistry of plutonium and an overview of the actinides	T. Fanghänel (JRC)
10:00 – 11:00	Spectroscopic characterization of actinides	P. Panak (Univ. Heidelberg)
11:00 – 11:30	Break	
11:30 – 12:30	Nuclear Fuels (incl. Gen IV)	S. Cornet (OECD-NEA)
12:30 – 13:30	Lunch	
13:30 – 16:45	Demonstrations (ITU/INE)	

Wednesday 17 June 2015 (JRC – ITU)

09:00 – 10:00	Thermodynamic aspects of actinides	O. Benes (JRC- ITU)
10:00 – 11:00	Nuclear waste disposal	H. Geckeis (KIT-INE)
11:00 – 11:30	Break	
11:30 – 12:30	Post-irradiation examination of nuclear fuel	J.-P. Glatz (JRC-ITU)
12:30 – 13:30	Lunch	
13:30 – 16:45	Demonstrations (ITU/INE)	

Thursday 18 June 2015 (JRC-ITU)

09:00 – 10:00	Reprocessing (pyro- and aqueous)	R. Malmbeck (JRC-ITU)
10:00 – 11:00	Radiation damage in nuclear materials	R. Grimes (Imperial College)
11:00 – 11:15	Break	
11:15 – 12:15	The sustainability of nuclear energy	L. Van Den Duerpel (Nuclear-21)
12:15 – 13:00	Lunch	
13:00 – 14:00	Biological effects of ionizing radiation	W. Müller (SSK)
14:00 – 16:45	Demonstrations (ITU/INE)	

18:00 School Banquet

Friday 19 June 2015 (Reinassance Hotel)

09:00 – 10:00	Nuclear Safeguards	P. Meylemans (DG ENER)
10:00 – 11:00	Nuclear security measurement techniques	P. Peerani (JRC-ITU)
11:00 – 11:30	Break	
11:30 – 12:30	Nuclear Forensics	M. Wallenius (JRC-ITU)
12:30 – 13:30	Lunch	

