2011 Serpent International Users Group Meeting
General program

Thursday, **Sep**tember 15th			
8:00	**Bus to HZDR from the IBIS hotel**		
9:00	*Welcome address*		
9:15	*Introduction to Serpent*	Jaakko Leppänen	VTT
10:00	*Solving Burnup Equations in Serpent: Matrix Exponential Method CRAM*	Maria Pusa	VTT
10:30	*Introduction of the Resonance dependent scattering kernel in SERPENT*	Ron Dagan	KIT
11:00-11:30	**Coffee break**		
11:30	*Some remarks on few-group XS generation with Serpent*	Emil Fridman	HZDR
12:00	*Generation of Homogenized Cross Sections for High Conversion LWRs*	Eugene Shwageraus	BGU
12:30	*On the use of SERPENT for cross section generation for Sodium Fast Reactors*	Raquel Ochoa	UPM
13:00-14:00	**Lunch at HZDR**		
14:00	*Monte Carlo cross section generation via MCNP versus SERPENT*	Mohamed Belal	NECSA
14:30	*Pebble bed reactor modeling using Serpent*	Heikki Suikkanen	LUT
15:00	*The use of the SERPENT code in safety studies of fast reactors*	Youpeng Zhang	KTH
15:30-16:00	**Coffee break**		
16:00	*High Conversion Th-U233 fuel assembly for current generation of PWRs*	Daniela Baldova	HZDR
16:30	*Neutronic optimization of high conversion square and hexagonal PWR fuel assemblies using BGCore and Serpent codes*	Dan Kotlyar	BGU
17:00	*Neutronic analysis of BWRs Th-233U self-sustainable assembly with BGCore system and Serpent Monte-Carlo based Codes*	Yaniv Shaposhnik	BGU
18:00	**Bus from HZDR to the "Augustiner an der Frauenkirche" restaurant**		

	Friday, September 16th		
8:30	**Bus to HZDR from the IBIS hotel**		
9:45	*Serpent 2 - status and future plans*	Jaakko Leppänen	VTT
10:30	*On fly Doppler broadening in Serpent*	Tuomas Viitanen	VTT
11:00-11:30	**Coffee break**		
11:30	*Introduction to Sensitivity and Uncertainty Analysis in Reactor Physics*	Maria Pusa	VTT
12:00	*Uncertainty in burnup calculations - the total Monte Carlo method*	Steven van der Marck	NRG
12:30	*Improved time integration methods for burnup calculations with Monte Carlo neutronics*	Jaakko Leppänen	VTT
13:00-14:00	**Lunch at HZDR**		
14:00	Panel discussion		
16:00	**Bus from HZDR to the IBIS hotel**		