



STUDIECENTRUM VOOR KERNENERGIE
CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE

Day of the PhD's

29 October 2009

Tentative programme

8:30	9:00	<i>Registration and welcome coffee</i>	
9:00	9:15	Welcome and introduction	Michèle Coeck E&T Coordinator Prof. em. Michel Giot President of the Scientific Council
9:15	9:40	Use of the rotating wall vessel to acquire novel insights in pseudomonas aeruginosa pathogenesis	Aurélie Crabbé
9:40	10:05	Development of Oxides Dispersion Strengthened (ODS) steels for high temperature nuclear reactor applications	Kathelijne Verhiest
10:05	10:30	Radiation-induced chemical and biological modifications of biological fluids (plasma, serum, whole blood and amniotic fluid)	Myriam Ghardi
10:30	10:50	<i>Coffee break</i>	
10:50	11:15	Motivations, decision-making process and non-technical indicators of nuclear proliferation	Steven Smet
11:15	11:40	Chemical and mechanical integrity of T91 as a candidate material for fuel cladding	Gunter Coen
11:40	12:05	The fate and effects of micropollutants in a biological life support system	Benny Pycke
		<i>Walking lunch</i>	
13:30	13:55	Risk communication in nuclear emergency management	Tanja Perko
13:55	14:20	Integration of a radiation tolerant LIDAR receiver with mm accuracy and kHz repetition rate	Ying Cao
14:20	14:45	Low doses of irradiation on nervous cells impair neurite outgrowth and cause neuronal degeneration	Nada Samari
14:45	15:10	<i>Coffee break</i>	
15:10	15:35	Magneto-elastic relaxation phenomena in neutron irradiated model alloys and RPV steels	Boris Minov
15:35	16:00	Effect of space conditions on neuronal plasticity and connectivity	Giuseppe Pani
16:00	16:25	Assessment of DNA damage and DNA repair mechanisms in human cells submitted to space conditions and the development of countermeasures	Michael Beck
16:25	16:45	Concluding remarks and closure	Pierre D'hondt Scientific Coordinator Deputy Director-General
16:45		<i>Drink</i>	