


60 	TUE, NOVEMBER 28	WED, NOVEMBER 29	THU, NOVEMBER 30	FRI, DECEMBER 1
8:00AM - 9:00AM	Registration at "Administração" entrance 8:00-9:00 AM			
9:00 AM - 10:00 AM	IEA-R1 60 years of operation: opening session with Brazilian authorities 9:00 - 10:10 AM	Round Table: Challenges for nuclear security at RR Transnational nature of nuclear incidents: <i>Togzhan Kassenova (Carnegie Endowment for International Peace)</i>	How a risk-based process approach tailors the safety management system of the research reactors at SCK-CEN, Mol, Belgium: <i>Peter Vermaercke (SCK-CEN)</i> 9:00 - 9:40 AM	The ISOLDE project at CERN - From a small experiment to a large facility: <i>Heinz Haas (CERN)</i> 9:00 - 9:40 AM
10:00 AM - 11:00 AM	Inauguration of the IEA-R1 technical and historical museum in the reactor building and visit to IEA-R1 nuclear reactor 10:10 AM - 11:30 PM	Nuclear security system design: <i>Craig Marianno (Texas A&M University)</i> 9:00 - 10:20 AM Coffee break and poster session 10:20 - 10:40 AM	Physical Protection of Brazilian Nuclear Materials and Facilities: Challenges and Actions: <i>Renato Tavares, Nuclear security officer (CNEN)</i> 9:40 - 10:10 AM Coffee break and poster session 10:10 - 10:30 AM	Neutron diffraction: <i>Jeffrey Lynn (NIST)</i> 9:40 - 10:10 AM Coffee break and poster session 10:10 - 10:30 AM
11:00 AM - 12:00 PM	Brunch 11:30 AM - 1:00 PM	Nuclear security risks, threats and consequences at RR; Physical protection system objectives; Detecting security threats: <i>Craig Marianno (Texas A&M University)</i> 10:40 - 11:20 AM Adversary path analysis and multi-path optimization: <i>Craig Marianno (Texas A&M University)</i> 11:20 AM - 12:00 PM	Nuclear security education opportunities in Brazil <i>Su Jian (COPPE-UF RJ)</i> 10:30 - 11:00 AM Estudo de vazão com o traçador 79Kr: <i>Michel Bessa (TRACERCO)</i> 11:00 - 11:30 AM	Material science research at ISOLDE-CERN: <i>Juliana Schell (ISOLDE/CERN)</i> 10:30 - 11:00 AM Towards position sensitive thermal neutron detection based in multilayer 10B converters: <i>Hugo Natal da Luz (UFUSP)</i> 11:00 - 11:30 AM
12:00PM - 1:00PM		Brunch	Brunch	Brunch 12:00 - 2:00 PM
1:00PM - 2:00PM	Afternoon session at "Prédio de Ensino"	Poster session 1:00 - 2:00 PM	Poster session 1:00 - 2:00 PM	
2:00PM - 3:00PM	Research reactors: purpose and future: <i>Danas Ridikas (IAEA)</i> 2:00 - 2:40 PM	Training for nuclear security personnel at RR: <i>Patrick Lynch (Oak Ridge National Lab)</i> 2:00 - 2:40 PM	Neutron irradiation applied to geochronology: fission track analysis: <i>Andrea Ritter Jelinek (UFRGS)</i> 2:00 - 2:30 PM Successful long-term collaboration between the IEA-R1 nuclear research reactor of IPEN/CNEN and the Radioisotopes Laboratory of CENA/USP: <i>Elisabete Fernandes (CENA)</i> 2:30 - 3:00 PM	
3:00PM - 4:00PM	USP — IEA-R1 collaboration: <i>Shiguo Watanabe (UFUSP)</i> 2:40 - 3:20PM Research reactor future in Brazil: <i>José A. Perrotta (CNEN)</i> 3:20 - 4:00 PM	Nuclear safety and security culture: <i>Craig Moss (Oak Ridge National Lab)</i> 2:40 - 3:20 PM Components of human reliability program; Insider threat mitigation: <i>Patrick Lynch (Oak Ridge National Lab)</i> 3:20 - 4:00 PM	The neutron activation analysis applied to the dating of archaeological ceramics and sediments by crystal luminescence: <i>Sonia H. Tatum (UNIFESP)</i> 3:00 - 3:30 PM Study of nanoparticles and nanowires by PAC spectroscopy: <i>Gabriel Cabrera Pasca (UFPA)</i> 3:30 - 4:00 PM	
4:00PM - 5:00PM	Coffee break 4:00 - 4:30 PM Round Table - 60 years IEA-R1: <i>Laércio Vinhas, Rajendra Saxena, Roberto Frajndlich</i> 4:30 - 6:00PM	Coffee break and poster session 4:00 - 4:30 PM <i>Ricardo Nunes Carvalho (IPEN)</i> 4:30 - 5:00 PM	Coffee break and poster session 4:00 - 4:30 PM Special presentation CRPq: <i>Frederico Genezini</i> Researches at CRN: <i>Edson Moreira</i>	
5:00PM - 6:00PM		ABACC model for nuclear material control: <i>Luis Carlos Machado da Silva (ABACC)</i> 5:00 - 5:30 PM Trends in neutron activation analysis: <i>Rita Plá (CNEA)</i> 5:30 - 6:00 PM	IEA-R1 RR: <i>José Berretta</i> Graduation studies using a nuclear research reactor 4:30 - 6:00 PM	
8:00PM - 10:00PM		Conference dinner 8:00 - 10:00 PM		