

AGENDA

Technical Meeting on New Trends in the Application and Use of Research Reactor Based and Accelerator Based Neutron Sources

28 September -1 October 2026, CEA Saclay, Gif-sur-Yvette, France

<i>Day 1: Monday 28 September 2026</i>		
<i>Time</i>	<i>Topics</i>	<i>Speakers</i>
08:30-10:00	Registration	
10:00-11:00	Opening and Welcome Address	Mr Jean-Louis Falconi, CEA Prof. Tzanka Kokalova Wheldon, IAEA Mr Xavier Wohleber, CEA
11:00-11:30	Neutrons Application at the DACM: Introduction of the Department of Accelerators, Cryogenics and Magnetism of CEA	Ms Catherine Madec CEA, France
11:30-12:00	Developments of Compact Accelerator driven Neutron Sources, news from SATELIT, the Saclay Target with liquid Lithium	Mr Loic Thuilliez CEA, France
12:00-12:30	The ICONe facility project	Mr Frédéric Ott CEA, France
12:30-14:00	Lunch break	
14:00-14:30	IAEA activities in support of Research & Applications with Neutrons	Ms Valentina Semkova IAEA
14:30-15:00	Accelerator-driven Advanced Nuclear Energy System in China	Mr Yuan He IMP CAS, China
15:00-15:30	Growing Expertise at Neutron Sources at the European Spallation Source (ESS)	Ms Christine Darve ESS
15:30-16:00	Break	
16:00-16:30	ILL Neutrons for Society: from fundamental science to medical applications	Mr Ulrich Köster ILL, France
16:30-17:00	Material Testing Reactors – Purposes and Features	Mr Jean-François Villard CEA, France
17:00-17:30	Development of Accelerator Technology for BNCT and other Applications in Argentina *	Mr Andres Kreiner CNEA (CAC), Argentina

<i>Day 2: Tuesday 29 September 2026</i>		
<i>Time</i>	<i>Topics</i>	<i>Speakers</i>
09:00-09:30	China Initiative Accelerator Driven System Lead-Bismuth Reactor and Its R&D Progress	Mr Tianji Peng IMP CAS, China
09:30-10:00	The potential of HiCANS neutrons sources for neutron scattering and other analytical techniques	Mr Frédéric Ott CEA, France
10:00-10:30	Neutron Applications at the Josef Stefan Institute: Six Decades of TRIGA Mark II Utilization and the new VERONICA Research Reactor Programme	Mr Luka Snoj JSI, Slovenia
10:30-11:00	Break	
11:00-11:30	JHR - Neutrons for Industry and Health	Mr Jean-François Villard CEA, France
11:30-12:00	Recent Development of Irradiation and Neutron-Application Capabilities at the WWRK Research Reactor for Advanced Nuclear Energy Systems	Mr Darkhan Sairanbayev INP, Kazakhstan
12:00-12:30	The cuteNESS initiative in the Basque Country – current status and lessons learnt	Mr Felix Fernandez Alonso CFM-MPC (IKUR), Spain
12:30-14:00	Lunch break	
14:00-16:30	LAB TOUR SYNERGIUM	Mr Xavier Wohleber CEA, France

Day 3: Wednesday 30 September 2026		
Time	Topics	Speakers
09:00-09:30	Services, Applications, and Products of ETRR?2: Current Status and Future Directions	Mr Mohamed Soliman EAEA, Egypt
09:30-10:00	Research Opportunities at the Budapest Neutron Centre: Instruments, Applications and Future Developments	Ms Renáta Ünne HUN-REN CER, Hungary
10:00-10:30	INSTN, EVOC Platform	Mr Xavier Perrette, CEA, France
10:30-12:30	TECHNICAL TOUR INSTN	Mr Xavier Perrette, CEA, France
12:30-14:00	Lunch break	
14:00-14:30	Spallation Neutron Sources for Pu-238 Supply: A New Pathway to Produce Nuclear Battery Fuels	Ms Zhichao Gao IMP CAS, China
14:30-15:00	Neutron Transmutation Doping of Power Semiconductor Materials Using Research Reactors: Enabling Advanced Power Electronics	Ms Humbelani Ratsibi Necsa, South Africa
15:00-15:30	Establishing an Accelerator-Driven Compact Neutron Source Research Program in Vietnam: A Strategic Framework	Mr Manh Dung Ho VINATOM, Viet Nam
15:30-16:00	Break	
16:30-17:00	Research Reactor and Accelerator-Based Nuclear Beam Sources: Current Research, Applications, and Future Developments at BRIN Indonesia	Abu Rivai BRIN, Indonesia
17:00-17:30	Building on 20 Years of Experience: Nigeria's Journey from NIRR-1 to a 10 MW Multipurpose Research Reactor	Mr Justine Karniliyus NAEC, Nigeria
17:30-18:00	HBS-I: Towards a European High-Current Accelerator-Driven Neutron User Facility	Mr Paul Zakalek JCNS-HBS, Germany

Day 4: Thursday 1 October 2026		
Time	Topics	Speakers
09:00 -09:30	Application of Research Reactor-Based Neutron Activation Analysis for Environmental Monitoring and Assessment of Elemental Contamination and Natural Radioactivity	Ms Kamrun Naher BAEC AERE, Bangladesh
09:30-10:00	Development of a High-Resolution Event-Based Neutron Imaging System	Mr Yaroslav Susaiev CEA, France
10:00-10:30	Design and Optimization of In-pile Collimator for a Neutron Residual Stress Measurement Diffractometer at PARR-1.	Mr Khurram Shahzad PINSTECH, Pakistan
10:30-11:00	Break	
11:00-12:30	Discussions, Finalization of the Meeting Report, Conclusions, and Recommendations, Closing session	All
12:30-14:00	Lunch break	
14:00-end	Closing session	All