



Summer Workshop 2025

Safety Analysis for Research Facilities

Trnava, Slovakia

October 6th -10th,
2025

The ETSON JSP Summer Workshop is an annual networking event of young professionals from Technical Safety Organizations (TSOs). The program comprises presentations given by participants, interactive group work and moderated workshops on a specific topic.

The Summer Workshop encourages inter-cultural interaction, exchange of expert knowledge and good practices and provides participants a good opportunity to widen their professional network.

Participation in the Workshop is free of charge. Participants must be nominated by ETSON member organizations and should have basic knowledge of nuclear safety concepts and methodologies. Candidates are encouraged to contact their local ETSON JSP Delegate (information available at: <http://www.etson.eu/jsp>).

Venue

The workshop will be held at the VUJE, a.s. in Trnava, Slovakia. Trnava is about 50 km far from capital city Bratislava, easily reached by train or bus. Further local information and guidance will be provided closer to the workshop.

Lunch is included and served in our canteen, also transportation to the technical visit will be provided. Participants are responsible for their own travel, dinner and accommodation costs.

Please arrive on Sunday evening for a Monday morning start; departure will be on Friday afternoon.

Technical Tours

A technical visit of a Research helium loop for ALLEGRO Gen IV. reactor is planned and other nuclear facility yet to be determined.

Accommodation

Recommendations for accommodation will be provided shortly.

For further information, please contact: Marek Randík (marek.randik@vuje.sk)

	Sunday 5. October	Monday 6. October	Tuesday 7. October	Wednesday 8. October	Thursday 9. October	Friday 10. October	
8:00					Technical Visit: Simulator of Reactor Control Room Research Helium Loop for ALLEGRO Gen IV Material Testing Laboratory	Invited Speaker Safety Analysis of Reactor ALLEGRO Speaker: Boris Kvizda (VUJE) Final Remarks, Conclusions and Official Ending	
9:00		Introduction & Welcome: Division of nuclear safety, research and development Director Introduction: ASNR BEL V GRS	Safety Analysis Methodologies and Nuclear Research Chair: Unna Lauranto (VTT) Finnish Safety Analysis Tools – Lauranto (VTT) Deterministic Safety Analysis for Research Reactors – PARENTE (GRS)	Safety, Infrastructure, Digital Innovations and Modelling Chair: Slavomír Bebjak (VUJE) Ground Reinforcement for Nuclear & Research Facilities, Overview of Some Methods – Adwan (ASNR) Review of Safety Events Related to Experimental Devices in Research Reactors – Baptiste (ASNR)			
10:00		Refreshment	Refreshment	Refreshment			Refreshment
10:30		JSI LEI RSD SÚRO VTT VUJE	Safety Analysis Methodologies and Nuclear Research Chair: Unna Lauranto (VTT) Python-scripting-powered Automation of Safety Assessment with Subchannel Analysis. Applications and Experiences – Loskot (SURO) History of Nuclear Research in the UK – Foster (Amentum)	Safety, Infrastructure and Overview Chair: Slavomír Bebjak (VUJE) CFD Model Development for the Evaluation of Alternative Thermal Column Bismuth Shield Cooling Strategies – Venckus (LEI) PWR Fuel Rod Sensitivity Analysis with TRANSURANUS for the LOCA-HBu benchmark – Parma (SURO)			
12:00		Lunch	Lunch	Lunch		Lunch	
13:30		Material Behaviour and Reactor Control Chair: Marek Randík (VUJE) Presence of Foreign Material in the Primary Circuit of BR2 – Pierret (BEL V) Thermal Behaviour of Bituminized Waste Products – MATTA (ASNR) Fine Reactivity Control at Reactor ALLEGRO – Randík (VUJE)	Case Study Topic: Waste Management Challenge Chair: Marek Randík (VUJE)	Case Study Topic: Energy Mix Game Chair: Marek Randík (VUJE)	Free Time		
14:30		Refreshment	Refreshment	Free Time			
15:00		ELSE and DMA _{LSE} Training Programs	JSP Delegate Meeting			Historical Guided Tour of the City Trnava	
16:30		Free Time	Free Time			Free Time	
18:00	Welcome		Workshop Dinner				