

RAC International Summer School 2025

Focal theme: *Diffraction and Spectroscopy in Materials Science*

24-31 August 2025, Hestia Hotel Europa, Tallinn, Estonia

Time	August 24	August 25	August 26	August 27	August 28	August 29	August 30	August 31	Time		
	Arrival	Basics	Spectroscopy and AI	Energy Materials	Quantum Materials	Soft/Bio matter	Engineering Materials	Departure			
07:30-08:30	Arrival (Check-in after 16:00)	Breakfast							07:30-08:30		
08:30-09:30		L1: Christian Schroer Generation of SR	L5: Serena DeBeer Basics of X-ray Spectroscopy	L9: Uta Hejral X-ray Analysis of Energy Materials	L13: Paul Millar Big Data	L15: Elizabeth Blackburn X-ray and Neutron Scattering of Quantum Materials	L19: Stephan Roth X-ray Scattering Investigations of Organic Solar Cell	Departure (Check-out before 12:00)	08:30-09:30		
09:30-10:30		L2: Pascale Deen Generation of Neutrons	L6: Victoria Garcia Sakai Basics of neutron spectroscopy	L10: Birgit Kanngieß Soft X-ray Spectroscopy	L14: Astrid Schneidewind FAIR Data	L16: Eva Benckiser X-ray Analysis of Quantum Materials	L20: Jörg Pieper Neutron Scattering Research of Biomaterials		09:30-10:30		
10:30-11:00		Coffee & Tea							10:30-11:00		
11:00-12:00		L3: Christian Schroer X-ray Diffraction	L7: Frank Schreiber AI in Diffraction	L11: Aleksandar Matic Neutrons and X-rays for Battery Research and Innovation	Tutorials Day IV	L17: Volodymyr Bezguba ARPES Analysis of Multiband Quantum Materials	L21: Margaret Holme tba		11:00-12:00		
12:00-13:00		Buffet-Lunch							12:00-13:00		
13:00-14:00		Group Building & Group Picture	Free Time	Free Time	Cultural Excursion with outside dinner	Free Time			13:00-14:00		
14:00-15:00		L4: Pascale Deen Neutron Scattering	L8: Alexei Kuzmin AI in Spectroscopy	Student Lectures 8 lectures à 10 min		Free Time			14:00-15:00		
15:00-16:00		Tutorials Day I	Tutorials Day II						L18: Tonya Vitova Multispectral X-ray Spectroscopy of Actinide Compounds	L22: Federica Sebastiani SAXS, SANS, and Refelectivity of LNPs	15:00-16:00
16:00-16:30		Coffee & Tea				Coffee & Tea			16:00-16:30		
16:30-17:30		Poster Session I	Poster Session II	L12: Ullrich Pietsch How to write a good proposal		Tutorials Day V	Tutorials Day VI		16:30-17:30		
17:30-18:30				Tutorials Day III		<i>Parallel Sessions</i> Soft Skills for Scientists	<i>Keynote Lecture about Baltic sea</i> L23: Markus Meier tba		17:30-18:30		
18:30-20:00	Welcome Reception & Social Gathering	Buffet-Dinner				Buffet-Dinner	Formal Closing Dinner and Awards		18:30-20:00		
20:00-22:00		Free Time	Free Time	Free Time		Cultural Evening arranged by the Students			20:00-22:00		



This twinning project "EXANST" has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101159716

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