

RAC International Summer School 2025

Focal theme: *Diffraction and Spectroscopy in Materials Science*

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

Time	Sunday Aug. 24	Monday Aug. 25	Tuesday Aug. 26	Wednesday Aug. 27	Thursday Aug. 28	Friday Aug. 29	Saturday Aug. 30	Sunday Aug. 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: Ioanna Mantouvalou Time-resolved Soft X-ray Absorption 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	Tutorials Day V.1	L21: Margaret Holme Neutrons and X-ray scattering to study biological membranes		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 to <i>Lahemaa National Park</i> 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			L17: Volodymyr Bezguba ARPES Analysis of Multiband Quantum Materials	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		L18: Tonya Vitova Multispectral X-ray Spectroscopy of Actinide Compounds	Tutorials Day VI		16:30-17:30	
17:30-18:30				Tutorials Day III		Tutorials Day V.2	<i>Keynote</i> L23: Markus Meier Impact of climate change on Baltic Sea dynamics		17:30-18:30	
18:30-20:00	Welcome Reception & Social Gathering	Buffet-Dinner				Buffet-Dinner	18:30-20:00			
20:00-22:00		Free Time	Free Time	Free Time		Cultural Evening arranged by the Students	Formal Closing Dinner and Awards		20:00-22:00	



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Horizon Europe



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