

RAC International Summer School 2023

Focal theme: "Cutting-edge Neutron and X-ray Research for a Sustainable Future"
August 20-27, 2023, Bergström Hotel Lüneburg, Germany

Program Draft 18.03.2023

Time	Sunday, 20.08.	Monday, 21.08.	Tuesday, 22.08.	Wednesday, 23.08.	Thursday, 24.08.	Friday, 25.08.	Saturday, 26.08.	Sunday, 27.08.	Time			
	Arrival	Introduction to X-ray and Neutron Sources and scattering	Solar Photovoltaics Materials	Quantum Matter & Complementary Methods	Application for Catalysis	Techniques for Magnetic and str. correlated materials	Application in engineering materials	Departure				
07:30-08:30	Arrival (Check-in after 16:00)	Breakfast								07:30-08:30		
08:30-09:30		L1: Robert Feidenhans'l Opening & Introductory Lecture (tbd)	L6: Ute Cappel Materials for Photovoltaics (tbd)	L10: Martina Müller Quantum Materials (tbd)	L15: Serena DeBeer Materials for catalysis (tbd)	L18: Kai Rosnagel Quantum Materials (tbd)	L22: Peter Hedström Materials for Engineering (tbd)			08:30-09:30		
09:30-10:30		L2: Pedro Tavares Generation of SR (tbd)	L7: Jesper Wallentin Nanodiffraction (tbd)	L11: Oscar Tjernberg Angle resolved photoemission (tbd)	L16: Peter Amann HARPES in catalysis (tbd)	L19: Luca Gregoratti μ -PES (tbd)	L23: Martin Böhm Elastic & Inelastic Neutron scattering (tbd)			09:30-10:30		
10:30-11:00		Coffee & Tea								10:30-11:00		
11:00-12:00		L3: Ulli Köster Generation of Neutrons (tbd)	L8: Ivan Vartaniants Imaging techniques and phase retrieval (tbd)	L12: Katrin Amann-Winkel XCPES (tbd)	L17: Stefan Roth Time-resolved SAXS analysis (tbd)	L20: Bella Lake Magnetic Neutron Scattering (tbd)	L24: Henning Poulsen Multiple grain X-ray Diffraction (tbd)			11:00-12:00		
12:00-13:00		Buffet-Lunch								12:00-13:00		
13:00-14:00		Free Time		Student Lectures (6-12 lectures á 10-20 minutes)		Free Time				13:00-14:00		
14:00-15:00										14:00-15:00		
15:00-16:00		L4: Vladimir Kaganer Introduction in X-ray Diffraction (tbd)	L9: Jan-Dierk Grunwaldt XAFS (tbd)	L13: Heinz Graafsma Detector technologies (tbd)	Cultural Excursion with outside dinner		L21: Orsolya Czakkel Spin-echo spectroscopy (tbd)	L25: Melanie Schnell Water Science (tbd)	Departure (Check-out before 12:00)	15:00-16:00		
16:00-16:30		Coffee & Tea					Coffee & Tea			16:00-16:30		
16:30-17:30		L5: Martin Müller Fundamentals of Neutron Scatter (tbd)	Preparation of Science Slam	L14: Bridget Murphy Digital agenda (tbd)			Tutorials Day IV & V			Tutorials Day VI		16:30-17:30
17:30-18:30		Tutorials Day I	Tutorials Day II	Tutorials Day III			Science Slam			Keynote Lecture L26: NN NN		17:30-18:30
18:30-20:00		Buffet-Dinner								18:30-20:00		
20:00-22:00		Welcome Barbecue & Social Gathering	Poster Session I	Poster Session II	Free Time	Cultural Evening arranged by the Students		Formal Closing Dinner and Awards		20:00-22:00		