

SCHOOL PROGRAM



16 - 23 August 2026, Varberg, Sweden

	Sunday 16/8	Monday 17/8	Tuesday 18/8	Wednesday 19/8	Thursday 20/8	Friday 21/8	Saturday 22/8	Sunday 23/8																																					
Time / Topic	ARRIVAL	Motivational + "The Basics"	Materials Synthesis (Real + Sim.)	Characterization Basics/ex situ	Excursion Day	Extreme Envir. + In situ/operando	Data Analysis & Computer Modelling	DEPARTURE																																					
07:00 – 07:15	ARRIVAL	<p>Short Welcome</p> <p>Keynote 1 <i>Living well within Limits</i> Julia Steinberger (Univ. Lausanne)</p> <p>Keynote 2 <i>Sustainable Energy in Bullerbyn 2.1</i> Björgvin Hjörvarsson (Uppsala Univ.)</p> <p>FIKA</p> <p>Keynote 3 <i>Spintronics and Quantum Devices for a Sustainable Future</i> Mathias Kläui (Joh. Gut. University Mainz)</p>	<p>From Atoms to Solids: Bonding, Structure, and Materials Formation Richard Dronskowski</p> <p>FIKA</p> <p>From Powders to Crystals: Practical Aspects of Materials Synthesis and Crystal Growth Sabine Wurmehl (IFW Dresden)</p> <p>Thin Films and Multilayers: From Deposition to Function Anjana Devi (IFW/TU Dresden)</p>	<p>Atomic Structure and Diffraction: From Crystals to Scattering Patterns Elisabetta Nocerino (SU)</p> <p>Small-Angle Scattering: Probing Structure Across Length Scales Sebastian Jaksch (ESS)</p> <p>FIKA</p> <p>The Reflectometry Showdown: X-rays vs. Neutrons Björgvin Hjörvarsson + Thomas Hase</p> <p>Neutron and X-ray Imaging of Materials: From 2D Projections to 3D Tomography Nikolay Kardjilov (HZB)</p>	<p>Pickup Breakfast Bag</p> <p>Bus Transfer to Lund (bus leaves 07:30)</p> <p>Arrival FIKA at LINXS</p> <p>Welcome to MAX IV Olof Karis</p> <p>Welcome to LINXS Trevor Forsyth</p> <p>Welcome to ESS + Safety Giovanna Fragneto</p> <p>LUNCH @ LINXS + Group Photo</p> <p>Transfer to ESS/MAX IV</p> <p>MAX IV Tour Group 1 ESS Tour Group 2</p> <p>Switch of Groups / Location (Transfer)</p> <p>ESS Tour Group 1 MAX IV Tour Group 2</p> <p>Transfer Back to LINXS + FIKA</p> <p>Tutorial <i>Writing Beamtime Proposals</i> Martin Månsson (KTH)</p> <p><i>The Road to the Nobel Prize: History, Nomination, and Selection</i> Olle Eriksson (JU / KVA)</p> <p><i>The Large-Scale Ecosystem</i> Lisbeth (VR)</p> <p>Dinner in Lund (at LINXS)</p> <p>Bus transfer back to Varberg</p>	<p>BREAKFAST</p> <p>Frontiers in Neutron Imaging: From Phase Contrast and Dark-Field Techniques Markus Strobl (ILL)</p> <p>In Situ and Interface Studies in Energy Materials Julia Maibach (Chalmers)</p> <p>Inelastic and Quasielastic Neutron Scattering: An Introduction Wiebke Lohstroh (TUM)</p> <p>LUNCH</p> <p>Hydrogen in Materials: Insights from Operando Neutron Scattering Wiebke Lohstroh (TUM)</p> <p>Spin-Echo SANS: Probing Structure and Dynamics in Sustainable Food Systems Wim Bouwman (TU Delft)</p> <p>Lecture + Tutorial <i>Error Analysis: Uncertainty and Data Interpretation in Experiments</i> Thomas Hase (Warwick Univ.)</p> <p>FIKA / FREE TIME</p> <p>Science Slam</p> <p>Transport to Restaurant</p> <p>Gala Dinner at "Fästningsterassen"</p>	<p>BREAKFAST</p> <p>Probing Quantum Materials under Extreme Conditions Elizabeth Blackburn (LU)</p> <p>FIKA</p> <p>μSR for Sustainability Martin Månsson (KTH)</p> <p>From Experiment to Autonomous and Data-Driven Materials Discovery Andy Sode Anker (DTU)</p> <p>Machine Learning Approaches in Materials Modelling and Design Pol Febrer (EPFL)</p> <p>Beyond AI Solutionism: Scientific Judgment, Responsibility, and Sustainability Nolen Gertz (Univ. Twente)</p> <p>Research Integrity in Practice: Data, Publishing Ethics, and AI Andrew Bisette (Cell Press)</p> <p>FIKA</p> <p>Workshop <i>Presenting Your Research – From Complexity to Clarity</i> Anders Sahlman</p> <p>Dinner at Hotel Awards Formal Closing</p> <p>Cultural Evening</p>	<p>DEPARTURE</p> <p>Check-out from Hotel (latest 11:00)</p>	<p>Topic / Time</p> <p>07:00 – 07:15</p> <p>07:15 – 07:30</p> <p>07:30 – 07:45</p> <p>07:45 – 08:00</p> <p>08:00 – 08:15</p> <p>08:15 – 08:30</p> <p>08:30 – 08:45</p> <p>08:45 – 09:00</p> <p>09:00 – 09:15</p> <p>09:15 – 09:30</p> <p>09:30 – 09:45</p> <p>09:45 – 10:00</p> <p>10:00 – 10:15</p> <p>10:15 – 10:30</p> <p>10:30 – 10:45</p> <p>10:45 – 11:00</p> <p>11:00 – 11:15</p> <p>11:15 – 11:30</p> <p>11:30 – 11:45</p> <p>11:45 – 12:00</p> <p>12:00 – 12:15</p> <p>12:15 – 12:30</p> <p>12:30 – 12:45</p> <p>12:45 – 13:00</p> <p>13:00 – 13:15</p> <p>13:15 – 13:30</p> <p>13:30 – 13:45</p> <p>13:45 – 14:00</p> <p>14:00 – 14:15</p> <p>14:15 – 14:30</p> <p>14:30 – 14:45</p> <p>14:45 – 15:00</p> <p>15:00 – 15:15</p> <p>15:15 – 15:30</p> <p>15:30 – 15:45</p> <p>15:45 – 16:00</p> <p>16:00 – 16:15</p> <p>16:15 – 16:30</p> <p>16:30 – 16:45</p> <p>16:45 – 17:00</p> <p>17:00 – 17:15</p> <p>17:15 – 17:30</p> <p>17:30 – 17:45</p> <p>17:45 – 18:00</p> <p>18:00 – 18:15</p> <p>18:15 – 18:30</p> <p>18:30 – 18:45</p> <p>18:45 – 19:00</p> <p>19:00 – 19:15</p> <p>19:15 – 19:30</p> <p>19:30 – 19:45</p> <p>19:45 – 20:00</p> <p>20:00 – 20:15</p> <p>20:15 – 20:30</p> <p>20:30 – 20:45</p> <p>20:45 – 21:00</p> <p>21:00 – 21:15</p> <p>21:15 – 21:30</p> <p>21:30 – 21:45</p> <p>21:45 – 22:00</p>																																				
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