




AceeLMAPs – Accelerating Energy Materials Development: to Legacy Labs and MAPs

CTN, Instituto Superior Técnico, Univ. Lisboa, Bobadela, Portugal, May 18-21, 2026

Session	Monday, 18 th	Tuesday 19 th	Wednesday 20 th	Thursday 21 st
09:00 – 11:00	<p>Welcome (10:30)</p>	<p>Accelerated Discovery of Functional Materials at the Atomistic Scale Ole Martin Løvvik</p>	<p>The Thermoelectric Journey: Bridging Innovation and Application from Advanced TE Materials to Scalable Devices Elena Stefanaki</p>	<p>From Manual Lab Workflow to Self-Driving Experimentation: A Hands-On Transition Exercise (Hands-on) Maximilian Wolf</p>
11:00 – 11:30	<p>Introduction to materials discovery and MAPs Macieji Haranazyk</p>	<p> Coffee Break</p>		
11:30 – 12:30		<p>Accelerated Discovery of Functional Materials at the Atomistic Scale (Cont.) Ole Martin Løvvik</p>	<p>AI for Ion Beam Characterization of Energy Materials Nuno Barradas / Victoria Corregidor</p>	<p>From Manual Lab Workflow to Self-Driving Experimentation: A Hands-On Transition Exercise (Hands-on) (Cont.) Maximilian Wolf</p>
12:30 – 14:00	<p> Lunch Break</p>			
14:00 – 16:00	<p>Posters / Pitch Sessions</p>	<p>Digitalizing Materials Science: From Data and Theory to Forward and Inverse Models Kevin Rossi</p>	<p>Hardware integration and workflow design Özlem Ozcan</p>	<p>Cloud connected labs for energy materials-to-device integration: from digital discovery to physical intelligence Kourosh Malek</p>
16:00– 16:30	<p> Coffee Break</p>			
16:30 – 17:30	<p>Visits To Laboratories</p>	<p>Generative Diffusion Models for Inverse Discovery of Functional Materials Patrícia Ramos / José M. Oliveira</p>	<p>The first step towards MAPs: Device integration (Hands-on) Stefan Maak</p>	<p>Open Discussions</p>
			<p>Social Dinner</p>	