

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