

Training School “AccelMAPs”

Accelerating Energy Materials Development: From Legacy Labs to Material Acceleration Platforms

May 18th-21st 2026

Campus Tecnológico e Nuclear (CTN)

Instituto Superior Técnico

Portugal

Speakers

- ❖ Dr. Maciej Haranazyk, IMDEA, Spain
- ❖ Dr. Ing. Ozlem Ozcan, BAM, Germany
- ❖ Pr. Ole Martin Løvvik, Oslo Univ., Norway
- ❖ Pr. Kevin Rossi, TU Delft, Nederland
- ❖ Pr. Patrícia Ramos and José M. Oliveira, INESC-TEC, Portugal
- ❖ Dr. Elena Stefanaki, ETL, United Kingdom
- ❖ Dr. Nuno Barradas and Victoria Corredor, Lisbon Univ., Portugal
- ❖ Eng. Stefan Maak, Uppsala Univ., Sweden
- ❖ Dr. Maximilian Wolf, AIT, Austria
- ❖ Dr. Kourosh Malek, IET, Germany

Topics

- ✓ Fundamentals and concepts of **Material Acceleration Platforms (MAPs)**
- ✓ Atomistic and multiscale simulation and modelling for functional materials
- ✓ AI-driven materials discovery, including forward and inverse modelling
- ✓ Automation, robotics, and workflow digitalization in experimental laboratories
- ✓ Integration of hardware, software, and data infrastructures
- ✓ Case studies in energy materials (e.g. thermoelectrics & device integration)
- ✓ AI-assisted materials characterization (e.g. in ion beam techniques)
- ✓ Hands-on sessions bridging digital discovery and physical experimentation

Application & Registration

- **Deadline for applying: February 28, 2026**
- Applications must be submitted exclusively through the link: [EU-MACE - Events](#) and should include a brief letter of motivation describing:
The subject of your current research; Your expectations for the training school; Whether you intend to present a Poster
- Participants are strongly encouraged to present their work in a **Poster presentation**.
- AccelMAPs can accommodate up to **80** participants.
- Registration confirmation will be sent by **March 2026**.
- Registration is **free of charge**.
- **Scholarships:** A number of scholarships will be offered to PhD students and post-doctoral fellows selected by COST EU-MACE, to partially cover the mission expenses.
- More info in: [EU-MACE - Events](#)

Or **Contact Us** by e-mail : aceelmaps@ctn.tecnico.ulisboa.pt

Scientific Committee (*Local Organizing Committee)

António Gonçalves *, CeFEMA, IST, PT
Sandra Rabaça *, C2TN, IST, PT
Ana Charas *, IT, PT
Monica Fabrizio, CNR, Italy
David Lacroix, Univ. Lorraine, France
Christina Schenk, IMdea, Spain

Ana Serrano Lotina, CSIC, Spain
Theodora Kyrtasi, Univ. Cyprus, Cyprus
Theodoros Karakasidis, Univ. Thessaly, Greece
Sawako Nakamae, CEA, France
Pakarinen Janne, VTT, Finland

Who should attend ?

Priority Audience

- PhD students and early-career researchers working in materials science, physics, chemistry, engineering, and related fields and interested in AI-assisted experimentation, MAPs, and laboratory automation.
- Senior researchers and laboratory managers exploring the transition toward digital and autonomous labs are also encouraged to participate.

Venue

Located in Bobadela, just north of Lisbon, near the Tagus River, the Campus Tecnológico e Nuclear (CTN) is a hub of Instituto Superior Técnico (IST), the largest engineering school in Portugal.

CTN is the country's primary center for research in nuclear sciences, energy materials, and advanced technologies.

The campus is well connected by:
Northern Railway Line (Bobadela station)
Major road networks (A1 and IC2)
CTN is approx. 15 min drive from Lisbon Airport.

For further details:

<https://tecnico.ulisboa.pt/en/about-tecnico/campus/tecnologico-e-nuclear/>



Funded by
the European Union