

EPF Advisory Board

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EPF Summer Schools

The European Polymer Federation decided from 2003 onwards to organize, every two years, a series of Summer Schools on topics related to the front leading areas of macromolecular science and technology, keeping together a high scientific level as well as the relevance for industrial application. This year, the 12th EPF Summer School on **Cutting-edge polymer materials for future battery technologies** will be held at the University Residential Center in Bertinoro (FC) from **Sunday 31st August to Thursday 4th September 2025**. Titles of the last EPF Summer Schools were:

- 2015: Polymers at Interfaces and Surfaces
- 2017: Transport Phenomena in Polymers and Hybrid Materials
- 2019: Dynamic and Reversible Polymer Networks
- 2021: Polymers and Circular Economy
- 2023: Polymers and Ionic Liquids

Organization



Acknowledgements



First Circular

<https://www.aim.it/epfschool2025>



Objectives

Due to the overwhelming environmental issues confronted by modern society the transition from fossil fuels to renewable energy combined with electrified transport and stationary storage is a major societal concern. Secondary batteries represent one of the most important technologies to ensure a realistic energy transition, power transportation vectors and strengthen power grids enabling enhanced intermittency. There is a strong need to rapidly develop the next generation of high energy density, low cost, and safe batteries to support the upcoming energy transition as well as the massive and rapidly developing EV market. Enhanced polymer materials represent key components in current and future battery technologies as they are used for instance as binders, separators and electrolytes. This summer school will cover the multidisciplinary fields linking the design of advanced functional polymer materials and the characterization of their functional properties in relation to their applications toward safer and more performant future battery technologies. The summer school will involve poster sessions with awards for the best contributions.

Topics

- Design of polymer electrolytes for battery technologies
- Modelling of electrochemical properties and interfaces
- Structure-properties relationship in polymer electrolytes
- Integration of polymer materials in future battery technologies

Confirmed Invited Speakers

Michel Armand
CIC energiGUNE
Spain

Irene Villaluenga
Polymat/UPV-EHU
Spain

Trang Phan
Aix-Marseille University
France

Dominic Bresser
Helmholtz Institute Ulm
Germany

Claudio Gerbaldi
Politecnico di Torino
Italy

Monika Schönhoff
Universität Münster
Germany

Maria Forsyth
Deakin University
Australia

Brett Helms
LBNL
USA

Jean-François Gohy
UCLouvain
Belgium

Robert Dominko
NIC
Slovenia

Holger Frey
Mainz University
Germany

Alexander Shaplov
LIST
Luxemburg

Daniel Brandell
Uppsala University
Sweden

Kai Liu
Tsinghua University
China

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Registration

Participation in EPF School 2025 is reserved to AIM Members. **The yearly membership fee for 2025 is 40 €**, which must be added to the school fee.

The early registration fee for EPF School 2025 is 700 € before June 15 2025. After this date, the registration fee is 750 €. The registration fee includes a welcome party, social dinner, coffee breaks, lunches and accommodation at the conference location. The amounts indicated do not include AIM fee. Two separate receipts, VAT-exempt as AIM is a non-profit organization with no VAT n., will be issued (one for AIM membership, one for EPF School's fee).

To register, please follow the instructions on the page <https://www.aim.it/epfschool2025/registration>. Deadline for registration and early payment: 15 June 2025. The conference will be held from **31 August to 4 September 2025** at the University Residential Centre in Bertinoro (FC), Italy. A shuttle service will be organised from Bologna airport and Bologna train station to Bertinoro mid/late morning of Sunday 31 August (details to be communicated later). Registration for the EPF School 2025 will start on **Sunday 31 August** from 15.00 to 17.00, followed by the scientific part and an aperitif in the early evening. The school will end at noon on **Thursday, 4 September**.

Cancellation Policy

A 50% reimbursement of the prepaid registration fee will be made available after the conference for cancellations received in writing by July 30, 2025. No refunds will be possible after that date.