## 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

**Irune 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

**Moon Jeong Park**
Postech university
Korea

**Alexander Shaplov**
LIST
Luxemburg

**David Mecerreyes**
Polymat/UPV-EHU
Spain

**Daniel Brandell**
Uppsala University
Sweden

**Kai Liu**
Tsinghua University
China

## Scientific Committee

**Eric Drockenmuller**
University Claude Bernard Lyon 1, France

**Renaud Bouchet**
Grenoble INP-University, France

## Secretariat EPF School

**Maria G. Viola**
school@aim.it

## Secreteriat AIM

**Sabrina Carola Carroccio**
segreteria@aim.it

## 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. Registration deadline and early fee payment: June 15th, 2025. The conference will be held on 31st August to 4th September 2025, at the University Residential Center, in Bertinoro (FC), Italy. Registration to EPF School 2025 will start on **Sunday the 31st of August**, from 2.30 p.m. to 4:30 pm to be followed with the scientific part and an **early evening *aperitivo***. The School will end on **Thursday the 4thof September** by **lunch time.**

## 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.