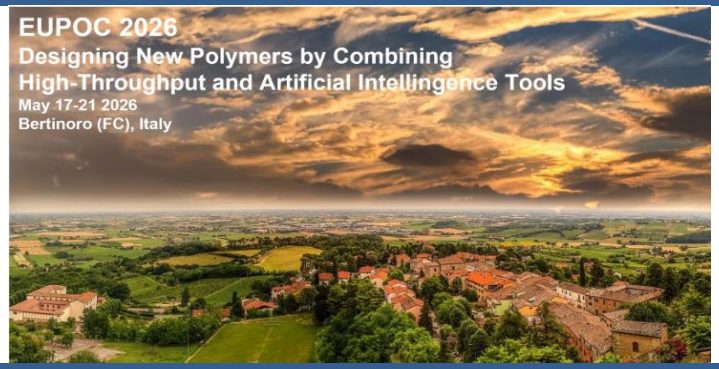
EUroPOlymer Conference 2026

https://www.aim.it/eupoc2026

FIRST CIRCULAR & CALL FOR PAPERS



Scope

With a worldwide production of nearly 450 million tons per year, polymer materials play a central role in our modern society. They are used in the manufacture of innumerable daily-life products, or as more sophisticated compounds in medicine, diagnostics, and fine chemistry. However, economical and new societal constrains require a more rational design and alternative synthesis, formulation and processing methods for polymer manufacturing to meet the need for greater sustainability, more virtuous end-of-life management, while maintaining optimal performances in application. Polymer-based materials of the future will be one of the pillars of the circular economy. Thus, the discovery of new polymers will lead to a paradigm shift and new methodologies for the design, processing and analysis of polymer-based materials. The recent development of hight-throughput (HTP) and artificial intelligence (AI) methods has opened up enormous opportunities to tackle these challenges. While such methods are emerging in chemistry, they have not yet been implemented in Polymer Science. Thus, the conference proposes to training and to review the state of art in the fields related to:

1. High-throughput methods for synthesis and characterization from macromolecular architectures to physical properties, i.e. considering molecular, macromolecular, and materials scales. Inputs of polymer modelling.
2. Data management using AI tools from the data collection, analyses (deep leaming, neuronal networks, data mining) to specific issues related to polymers, i.e. polymer fingerprint/digital standard.
3. Combination of HTP approaches with AI tools in order to take profit of machine-learning approaches for designing optimized materials

Chairs

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Previous EUroPOlymer Conferences

The European Polymer Federation decided from 1998 onwards to organize a series of EUroPOlymer Conferences (EUPOCs) on recent scientific and industrial interest topics.
The scientific program includes invited lectures, oral communications, and poster presentations. Ample time is given to free discussions, encouraged by the residential style of the conference. The titles and topics of recent EUPOCs were:

- *Porous Polymer-based Systems* (EUPOC 2012)
- *Polymers and Ionic Liquids* (EUPOC 2013)
- *Precision Polymers: Synthesis, Folding, and Function (*EUPOC 2014)
- *Conducting Polymeric Materials* (EUPOC 2015)
- *Block Copolymers for Nanotechnology Applications* (EUPOC 2016)
- *Polymers and Additive Manufacturing: From Fundamentals to Applications* (EUPOC 2017*)*
- *Biomimetic Polymers by Rational Design, Imprinting, and Conjugation* (EUPOC 2018)
- *Electrospinning and Related Techniques: From Design to Production of Advanced Polymer Materials and Devices* (EUPOC 2019)
- *Block Copolymers: Building Blocks for Nanotechnology* (EUPOC2022)
- *Dynamic Polymer Networks* (EUPOC 2023)
- *Polymer Brushes* (EUPOC 2024)
- *MacroLight* (EUPOC2025)

Scientific Program

The conference will be based on plenary lectures, oral communications, and poster presentations. The major addressed topics will be:

- *Last developments of high-throughput methods for polymer synthesis (synthesis in flux, production of gradient-based polymer materials, X-Y generation etc)*
- *Last developments of high-throughput methods for polymer characterization: NMR, IR, Raman, SEC, scattering methods including Tg determination, mechanical properties, gas barrier, etc.*
- *Data Collection and management such as data mining basics*
- *AI tools for polymer scientists. Basis on machine-learning methods. Basis on neuronal networks, deep learning, etc. Last developments of AI methods to polymer discovery (polymers, composites, processing)*
- *Last developments of combining AI tools and high-throughput methods for polymers or related materials*
- *How to train polymer scientists to AI tools?*
- *(Flash/short) presentations for HT and AI tools suppliers*

Invited Speakers (to be completed)

- **Nicholas Ballard**, University of the Basque Country UPV/EHU (Spain)
- **Alexis Bigo-Simon,** University of Strasbourg (France)
- **Khalid Ferji**, Université de Lorraine (France)
- **Federico Ferrarese Lupi**, INRIM (Italy)
- **Andrea Giuntoli**, University of Groningen (NL)
- **Simon Harrisson**, CNRS Bordeaux (France)
- **Kevin M. Jablonka,** Friedrich Schiller University Jena (Germany)
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- **Patrick Rinke,** Technical University of Munich (Germany)
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Scientific Committee

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Secretariat EUPOC

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Call for Abstracts

Participants are kindly invited to submit a one-page PDF abstract within March 15th, 2026 by uploading it on the personal page of the AIM portal (see instructions on page https://www.aim.it/eupoc2026/abstract). Acceptance notifications will be sent by April 1st, 2026.

Registration

Participation in Eupoc2026 is reserved to AIM Members. The yearly membership fee for 2026 is € 40.
Registration fees for Eupoc2026 are shown below. The amounts indicated **do not include the compulsory AIM membership fee**.

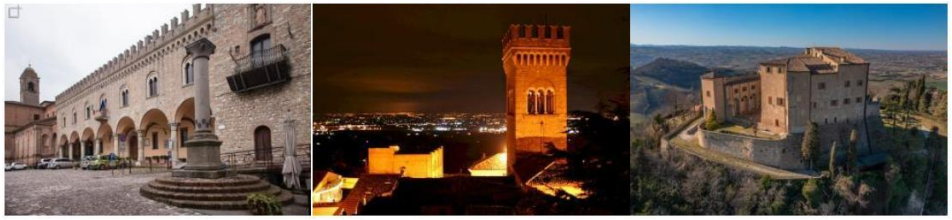
Registration fees*	**Before** April 15, 2026	**After** April 15, 2026
Full delegate	€ 700	€ 750
Student (including PhDs)**	€ 500	€ 550
Companion	€ 300	€ 350

*including: welcome party, social dinner, coffee breaks, and lunches at the conference location
** Proof of student status should be provided (eg supervisor's declaration, student card…)

To register, please follow the instructions on the page https://www.aim.it/eupoc2026/registration. Registration deadline and early fee payment: April 15, 2026. Presenters of **oral contributions** must pay their registration fee by **15 April, 2026.**

Venue & Accommodation

The conference will be held on 17-22 May 2026, at the University Residential Center, in Bertinoro (FC), Italy.
Accommodation: **directly booked by the participants** following the instructions given at the link https://www.aim.it/eupoc2026/accomodation
Early booking is recommended.



Cancellation Policy

A 50% reimbursement of the prepaid registration fee will be made available after the conference for cancellations received in writing by May 1th, 2026. No refunds will be possible after that date.