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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. EUPOC takes place at the University Residential Center in Bertinoro (FC). 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:

- *Biobased Polymers and Related Biomaterials* (EUPOC 2011)
- *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* (EUPOC 2022)
- *Dynamic Polymer Networks* (EUPOC 2023)
- *Polymer Brushes* (EUPOC 2024)

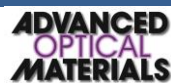
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Acknowledgments



EUPOC 2025 "MacroLight"

11-15 May 2025

Bertinoro (FC), Italy



Chairs

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First Circular & Call for Papers

<https://www.aim.it/eupoc2025>



Bertinoro - Location of EUPOC2025

Scope

The interaction between light and matter drives many systems, such as organic light-emitting diodes and solar cells, soft actuators and photonic structures. Macromolecules can be used not only as an important tool for green energy production, but also for passive thermal management systems, especially if

recyclable and renewable raw materials can be used. Light-responsive macromolecular architectures are being developed for applications such as untethered soft robots and actuators. In addition, Nature is a great source of inspiration for functional materials and devices by using different architectures that can be mimicked by macromolecules and hybridized with inorganic materials. The search for efficient, lightweight and sustainable systems for the future hyper-connected society requires the development of new materials and supramolecular structures that enable efficient management of optical signals with a reduced carbon footprint.

In this context, polymers and their architectures, which are often biologically inspired, are gaining strong interest due to their properties that cannot be achieved by inorganic semiconductors and insulators. Thus, the interaction between light and polymers can be used to solve a range of challenges, e.g. energy generation and conservation, advanced robotics, environmental monitoring, biophotonics, efficient photocatalysis and sustainability issues.

Scientific Program

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

- **Bio-inspired architectures;**
- **Self-assembled polymer photonic structures;**
- **Light-responsive polymer materials & Liquid crystals;**
- **Soft-actuator & Photochromic Polymers;**
- **Engineered optoelectronic polymers;**
- **Polymer photovoltaic systems and light emitting devices;**
- **NLO polymer and organic architectures;**
- **Polymers for quantum systems;**
- **Organic & hybrid photonic crystals and metamaterials;**
- **Engineered disorder in photonics;**
- **Polymer photonic sensors;**
- **Advanced hybrid photocatalytic systems;**
- **Light induced water-splitting and Artificial photosynthesis;**
- **Radiative cooling and thermal shielding;**
- **Polymer & Bio-Photonics.**

Invited Speakers (preliminary list, to be completed)

- **S. Vignolini**, Max Planck Institute of Colloids and Interfaces (Germany)
- **U. Wiesner**, Cornell University (USA)
- **O. Ikkala**, Aalto University (FIN)
- **C. Parmeggiani**, LENS Florence (I)
- **G. Lanzani**, Italian Institute of Technology (I)
- **M. Jonsson**, Linköping University (S)
- **Cécile Chazot**, Northwestern University (USA)
- **C. Barner-Kowollik**, Queensland University of Technology (AUS)
- **V. Vogler-Neuling**, Adolphe Merkle Institute (CH)
- **P. Lova**, University of Genova (I)
- **M. Debije**, Eindhoven University of Technology (NL)
- **A. Pucci**, University of Pisa (I)

Scientific Committee

M. Laus, Università del Piemonte Orientale, (I); **F. Ferrarese Lupi**, INRiM (I); **P. Stagnaro**, SCITEC-CNR (I); **K. Sparnacci**, Università del Piemonte Orientale, (I); **D. Careffi**, Università di Bologna (I); **A. Angelini**, Istituto Nazionale per la Ricerca metrologica (I).

Secretariat EUPOC

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Call for Papers

Participants are asked to submit a **one-page Word/PDF abstract** by March 1st 2025 by uploading the abstract to the personal page of the AIM portal (see <https://www.aim.it/eupoc2025/abstract>). Notification of acceptance will be sent by March 31st, 2025.

Registration

Participation in Eupoc2025 is reserved for AIM Members. The annual membership fee for 2025 is € 40.

The registration fees for Eupoc2025 are shown below. The amounts indicated **do not include the compulsory AIM membership fee**.

Registration fees*	Before	After
	April 1 st , 2025	April 1 st , 2025
Full delegate	€ 670	€ 720
Student (including PhDs)**	€ 450	€ 500
Companion	€ 300	€ 300

*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/eupoc2025/registration>. Deadline for registration and early fee payment: April 1st, 2025.

Venue & Accommodation

The conference will take place from May 11 to 15, 2025 at the [University Residential Center, in Bertinoro \(FC\)](#), Italy.

Accommodation: **booked directly by participants** by following the instructions at the link <https://www.aim.it/eupoc2025/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 April 1th, 2025. No refunds will be possible after that date.