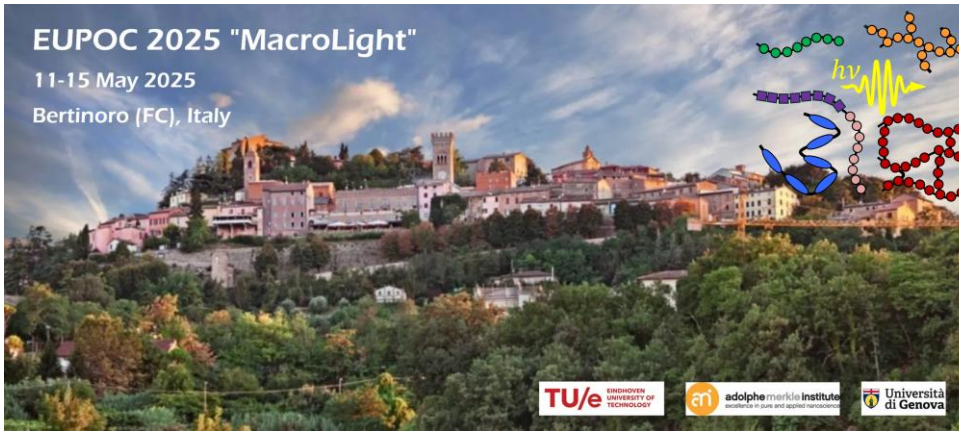
European Polymer Conference 2025 - MacroLight



Second Circular & Call for Abstracts

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.

Chairs

Albert Schenning
Eindhoven University of Technology (NL)

Ullrich Steiner
Adolphe Merkle Institute (CH)

Davide Comoretto
Università degli Studi di Genova (I)

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

adolphe merkle institute
excellence in pure and applied nanoscience

Università di Genova

Under the auspices of

European Polymer Federation

AIM

Supported by

ADVANCED OPTICAL MATERIALS

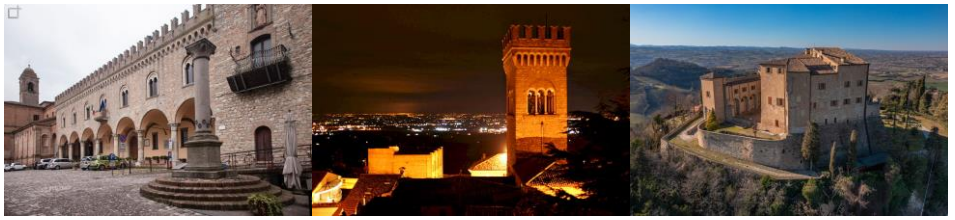
Macromolecular Rapid Communications

attocube
WITTENSTEIN group

RESPONSIVE MATERIALS
Open Access

Acknowledgments

https://www.aim.it/eupoc2025



Bertinoro - Location of EUPOC2025

Scientific Program

The conference is organized in plenary lectures, oral communications, and poster presentations. Major topics addressed will be:

- Bio-Inspired Architectures
- Self-Assembled Polymer Photonic Structures
- Light-Responsive Polymer Materials & Liquid Crystals
- Soft Actuators & 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

- **S. Vignolini,** Max Planck Institute of Colloids and Interfaces (Germany)
- **U. Wiesner**, Cornell University (USA)
- **C. Parmeggiani**, LENS Florence (I)
- **G. Lanzani,** Italian Institute of Technology (I)
- **Cécile Chazot,** Nortwestern University (USA)
- **M. Debije,** Eindhoven University of Technology (NL)
- **C. Barner-Kowollik**, Queensland University of Technology (AUS)
- **V. Vogler-Neuling,** Adolphe Merkle Institute (CH)
- **P. Lova**, University of Genova (I)
- **A. Pucci,** University of Pisa (I)
- **M. Jonsson,** Linköping University (S)
- **D.T. Gryko**, Polish Academy of Science (PL)
- **Younan Xia, Georgia Tech** (USA)

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. Caretti**, Università di Bologna (I); **A. Angelini**, Istituto Nazionale per la Ricerca metrologica (I).

EUPOC Secretariat	AIM Treasurer
Maria G. Viola	**Sabrina Carola Carroccio**
eupoc@aim.it	segreteria@aim.it

Call for abstracts

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 21st, 2025.

Special Collection

In collaboration with our publishing partners, some presentations will be selected for a special collection dedicated to EUPOC2025-MacroLight. Prizes will also be awarded.

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** April 1st, 2025	**After** April 1st, 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 CEUB - 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 20th, 2025. No refunds will be possible after that date.