

# Frontiers in polymer science

**Frontiers in Polymer Science** will be held 11–14 June 2026 in Chengdu, China in association with *Progress in Polymer Science*, *Polymer*, *EPJ*, *Polymer Degradation and Stability*, *Reactive and Functional Polymers*, *Polymer Testing* and *Giant*.



**SUBMIT YOUR ABSTRACTS! Deadline: 19 December 2025**

## Symposium highlights

- **Cutting-edge topics:** 9 plenary lectures by outstanding scientists showcasing new frontiers in polymer science.
- **Parallel session:** 3 sessions featuring invited and contributed talks, plus poster sessions on interdisciplinary hot topics in polymer science:
  - *Advanced Precision Synthesis*
  - *Physics of Dynamic and Non-equilibrium Polymer Structures*
  - *Polymer Technology for Solving Societal Energy and Environmental Challenges*

## Supporting publications



## Co-organizers



ELSEVIER



四川大学  
SICHUAN UNIVERSITY

## Conference chairs

**Benny Freeman**  
*The University of Texas  
at Austin, USA*

**Yanchun Han**  
*Changchun Institute of  
Applied Chemistry, Chinese  
Academy of Sciences, China*

**Richard Hoogenboom**  
*Ghent University, Belgium*

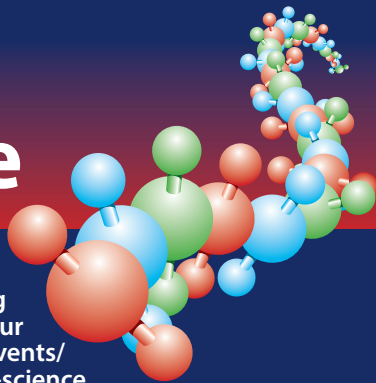
**Jean-Francois Lutz**  
*Institute of Supramolecular  
Science and Engineering,  
France*

**Yiwen Li**  
*Sichuan University,  
Local Chair*

## Conference website



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## SUBMIT YOUR ABSTRACTS!

Abstracts are invited on the following topics and should be submitted via our website: <https://www.elsevier.com/events/conferences/all/frontiers-in-polymer-science>

**Deadline: 19 December 2025.**

## Conference sessions and topics

### Parallel Session: *Advanced Precision Synthesis*

- Novel synthetic routes for polymerization
- Molecular recognition and higher order polymer structures
- Supramolecular and supracolloidal architectures
- Sequence- and topology-specific polymers
- New polymer structures by macromolecular engineering
- Polymerization mechanisms and kinetics
- Functional modification of polymers
- Soft and hard nanoparticles
- Conjugated/conducting polymers
- Bio-inspired polymer systems
- Externally controlled polymerizations

### Parallel Session: *Physics of Dynamic and Non-equilibrium Polymer Structures*

- Characterization and simulation of molecular and materials properties in bulk, solution, and thin films
- Polymer structure and dynamics under confined environments
- Molecular dynamics near phase transformations
- Polymer structural formations in multiple length and time scales
- Structures and dynamics of self-assembled macromolecular systems
- Far from equilibrium macromolecular systems/ Dissipative systems
- Stimuli responsive and dynamic polymers
- Polymer processing in different dimensions
- Macromolecular nanotechnology and dynamic force spectroscopy
- Protein molecular dynamics
- Molecular machines

### Parallel Session: *Polymer Technology for Solving Societal Energy and Environmental Challenges*

- Polymers for energy generation and storage
- Renewable and sustainable polymers
- Biomedical applications and nanomedicine
- Polymer for optics
- Shape-memory and self-healing polymers
- Polymer blends, films, fibers, and networks
- Nanocomposites and hybrid nanomaterials
- Polymer membranes for biomedical and separation techniques
- Polymer degradation and stabilization
- Molecularly imprinted polymers
- Biobased polymer systems
- Additive manufacturing
- Antifouling and polymer adhesion

## Deadlines

Abstract submission deadline:

**19 December 2025**

Author notification deadline:

**13 February 2026**

Author registration deadline:

**13 March 2026**

## Commercial opportunities

To discuss your requirements or to book sponsorship or exhibit space please contact:

**Ian Morley**

[i.morley@elsevier.com](mailto:i.morley@elsevier.com)

**or 林韜**

[tao.lin@elsevier.com](mailto:tao.lin@elsevier.com)