

# THE TENTH INTERNATIONAL SYMPOSIUM ON ENGINEERING PLASTICS

## EP'2023

### Second Circular



***Ningbo, China  
August 4-7, 2023***

**Organized by**

Institute of Chemistry, Chinese Academy of Sciences

Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences

## INVITATION

The Tenth International Symposium on Engineering Plastics (EP'2023 Ningbo) will be held in Ningbo, Zhejiang Province, China, August 4-7, 2023. International Symposium on Engineering Plastics (EP) is a biannual academic conference organized by Institute of Chemistry, Chinese Academy of Sciences, aiming to provide a high-profile platform for world-wide polymer materials scientists to exchange up-to-date research progresses and share innovative ideas on the future development of polymer materials. The EP series were first launched in Beijing in 2001 and have been successfully held at different cities in China for 9 times over the past two decades. Due to the COVID pandemic, the EP'2021 was canceled. As China has recently eased the travelling restriction, we decide to resume the success legacy this August. The EP'2023 will continue the commitment to advancing polymer materials science and technology by setting its slogan as "Polymer Materials for a Harmonious World", according to which five scientific topics seen below are to be arranged. The organization committee cordially invites all of you, scientists, engineers, and students involving in polymer synthesis, characterization, processing, and materials, to attend this symposium and have face-to-face discussion.

## ORGANIZATION

Symposium General Chair:	Dujin Wang
Organizing Committee Chair:	Jun Zhang, Wenge Zheng
Program Committee Chair:	Wei You
Secretaries:	Lan Wu, Wensheng Bu, Yongyan Pang

## INTERNATIONAL ADVISORY COMMITTEE

Stephen Z.D. Cheng (USA)	Natalie Stingelin (USA)
T.C. (Mike) Chung (USA)	Qi Wang (China)
Phil Coates (UK)	Yuzhong Wang (China)
Charles C. Han (China)	Hiroshi Watanabe (Japan)
Roger Hiorns (France)	Andrew Whittaker (Australia)
Xiao Hu (Singapore)	Jing-Shen Wu (China)
Jacques Joosten (The Netherlands)	Wantai Yang (China)
Giuseppe Lazzara (Italy)	Alexander Yaroslavov (Russia)
Yongfang Li (China)	Ming-Qiu Zhang (China)
Alejandro J. Müller (Spain)	Xi Zhang (China)
Yoshiharu Nishiyama (France)	Qifeng Zhou (China)
Chul Park (Canada)	Julian Zhu (Canada)
Jinliang Qiao (China)	

## SCIENTIFIC TOPICS

1. Bio-based and natural polymer materials
2. High-performance polymer materials
3. Functional and intelligent polymer materials
4. Preparation and recycling of commodity polymer materials
5. Polymer processing and characterization

## PLENARY SPEAKERS

Stephen Z.D. CHENG (USA)

[\(Accepted the invitation to EP'2023\)](#)

Xiao 'Matthew' HU (Singapore)

[\(Accepted the invitation to EP'2023\)](#)

Zhibo LI (China)

[Organocatalyzed Ring Opening Polymerization towards Sustainable Polymers](#)

Gregory A. SOLAN (UK)

[Late Transition Metal Olefin Polymerization Catalysis: From Concept to Industrial Application](#)

## INVITED SPEAKERS (To be completed)

Artem ANTONOV (Russia)

[The Nature of Active Species Formed in Ni\(II\)  \$\alpha\$ -Diimine Catalyst Systems for Ethylene Polymerization](#)

François BOUÉ (France)

[Monitoring Plant Proteins Digestion using Radiation Scattering](#)

Cyrille BOYER (Australia)

[\(Accepted the invitation to EP'2023\)](#)

Weifeng BU (China)

[Assembly and Functions of Metal-Containing Polymers](#)

Dario CAVALLO (Italy)

[Inter-Layer Adhesion in Material Extrusion 3D Printing: Effect of Processing and Molecular Variables](#)

Taihyun CHANG (Korea)

[\(Accepted the invitation to EP'2023\)](#)

Changle CHEN (China)

[\(Accepted the invitation to EP'2023\)](#)

Quan CHEN (China)

[Revisiting the Elasticity of Tetra-Polyethylene Glycol Hydrogels](#)

Phil COATES (UK)

[\(Accepted the invitation to EP'2023\)](#)

Wenxin FU (China)

[Benzocyclobutene-Based Low- \$k\$  Polymeric Materials for Advanced Packaging](#)

# Second Circular

Zihua GAN (China)

[\(Accepted the invitation to EP'2023\)](#)

Ping GAO (China)

[Porous yet Robust Polymer Nanomembranes Based on Triangulated Delaunay Tessellations](#)

Yanshan GAO (China)

[Functional Polyolefins with Significantly Enhanced Performance and Sustainability](#)

Wenbing HU (China)

[Molecular Modeling of Strain-Induced Thermoplastic Elastomers](#)

Di JIA (China)

[Self-Assembly of the Dipole-Driven Physical Polyzwitterions in Solutions: Biology and Beyond](#)

Zhongbao JIAN (China)

[\(Accepted the invitation to EP'2023\)](#)

Jian JIANG (China)

[Artificial Intelligence-Assisted Polymer Material Design](#)

Ehsan Naderi KALALI (China)

[\(Accepted the invitation to EP'2023\)](#)

Xiao KUANG (USA)

[Soft Functional Materials and Advanced Manufacturing for Sustainability and Human Health](#)

Shiaowei KUO (China)

[\(Accepted the invitation to EP'2023\)](#)

Pieter LEMSTRA (Netherlands)

[\(Accepted the invitation to EP'2023\)](#)

Guoliang LI (China)

[\(Accepted the invitation to EP'2023\)](#)

Liangbin LI (China)

[\(Accepted the invitation to EP'2023\)](#)

Yunqi LI (China)

[Big Data Study on Polymer Materials](#)

Dongsheng LIU (China)

[\(Accepted the invitation to EP'2023\)](#)

Guoming LIU (China)

[\(Accepted the invitation to EP'2023\)](#)

Shaofeng LIU (China)

[Non-Metallocene Catalysts toward Olefin Polymerization with High Activity and Great Control on Molecular Weight and Distribution](#)

Xiaoqing LIU (China)

[Sustainable Epoxy Resins: From Bio-Based to Degradable](#)

Joachim LOOS (Netherlands)

[A Vision on Advanced Imaging for Soft Matter Sciences](#)

Pengcheng MA (China)

[Aggregation-Induced Separation of Oil-Water Mixture with Presence of Polymer Materials](#)

Piming MA (China)

[\(Accepted the invitation to EP'2023\)](#)

Quiser MAHMOOD (China)

[Transition Metal Catalyzed Synthesis of Polyolefin Thermoplastic Elastomers](#)

Yongfeng MEN (China)

[\(Accepted the invitation to EP'2023\)](#)

Alejandro J. MÜLLER (Spain)

[The Effect of Chemical Structure on the Melt Memory of Semi-Crystalline Polymers](#)

Nanying NING (China)

[\(Accepted the invitation to EP'2023\)](#)

Kotohiro NOMURA (Japan)

[Biobased Aliphatic Polyesters: Synthesis, Properties and their Catalytic Chemical Recycling, Upcycling](#)

Yongyan Pang (China)

[How Phase Morphology, Crystallization and Nanoparticle Change the Foaming Temperature Window of Polymer Systems?](#)

Jinliang QIAO (China)

[Amphiphilic Superspreading Polymer Membranes Prepared by Capillary Force-driven Self-Assembly](#)

Dong QIU (China)

[\(Accepted the invitation to EP'2023\)](#)

Jean RAYNAUD (France)

[\(Accepted the invitation to EP'2023\)](#)

Anchang SHI (Canada)

[Regulating Nanostructured Polymeric Materials via Dispersity](#)

Kumar SUDESH (Malaysia)

[Bacterial Polyhydroxyalkanoates – Recent Developments](#)

Blaise TARDY (The United Arab Emirates)

[\(Accepted the invitation to EP'2023\)](#)

Theo TERVOORT (Switzerland)

[\(Accepted the invitation to EP'2023\)](#)

Xinhua WAN (China)

[Efficient Preparation of Tailor-Made Polymeric Additives for Crystallization Resolution of Racemic Compounds](#)

Chi WANG (China)

[Phase Separation of Atactic PNIPAM in Water with Physical Gelation](#)

Deyi WANG (Spain)

[Sustainable Flame-Retardant Strategies for Polymers: State-of-the-Art and Future Perspectives](#)

Dong WANG (China)

[\(Accepted the invitation to EP'2023\)](#)

Haobing WANG (China)

[Self-Healing Polyolefin Elastomers by Rare-Earth-Catalyzed Olefin \(Co\)Polymerization](#)

Lili WANG (China)

[Suppressed Freezing Tuned Polymer Amorphization for Cryogels](#)

Qi WANG (China)

[\(Accepted the invitation to EP'2023\)](#)

Xianhong WANG (China)  
[\(Accepted the invitation to EP'2023\)](#)

Yang WANG (China)  
[\(Accepted the invitation to EP'2023\)](#)

Tao WEN (China)  
[\(Accepted the invitation to EP'2023\)](#)

Andrew WHITTAKER (Australia)  
[Sequential Infiltration Synthesis - From Fundamental Studies to Block Copolymer Infiltration](#)

Emor WOO (China)  
[Nano- to Micro-Scale Assembly leading to Universally Hierarchical Periodicity in Polymer Crystal Aggregates with Grating Iridescence](#)

Jingshen WU (China)  
[\(Accepted the invitation to EP'2023\)](#)

Lixin WU (China)  
[High-Performance and Functional 3D Printing Elastomers and their Applications](#)

Shouke YAN (China)  
[\(Accepted the invitation to EP'2023\)](#)

Wenhong YANG (China)  
[High Performance of Polyethylene Catalyst based on the Intelligent Model by Machine Learning](#)

Huaping XU (China)  
[\(Accepted the invitation to EP'2023\)](#)

Jun XU (China)  
[Biodegradable Polyesters Synthesized from Diacids and Diols: From Academic Research to Industrial Applications](#)

Wei YOU (China)  
[Facile Preparation of Polyethylene Derivatives from Mitsunobu Functionalization of Commercial EVA](#)

Alexey A. ZEIN (Russia)  
[Biocidal Coatings Prepared from Interpolyelectrolyte Complexes and Metal Polymer Nanocomposites](#)

Jinming ZHANG (China)  
[\(Accepted the invitation to EP'2023\)](#)

Ganji ZHONG (China)  
[Toward High Performance by Stress-Induced Hierarchical Structure during Polymer Processing](#)

Haijin ZHU (China)  
[Proton Exchange and Transport in Polymerized Ionic Liquids](#)

Jin ZHU (China)  
[Research on Furan Based Polyesters and Herb Plastic Composites](#)

## SYMPOSIUM SCHEDULE

Date	Morning	Afternoon	Evening
August 4 (Friday)	Registration		Welcome Dinner
August 5 (Saturday)	Plenary Session	Oral Session	Poster Session
August 6 (Sunday)	Oral Session	Oral Session	
August 7 (Monday)	Oral Session	Oral Session	Farewell Dinner

### Registration

Please complete the Registration from <https://www.bagevent.com/event/EP2023> before June 30.

### Registration fee

The registration fee for participants covers full scientific activities, all the printed materials of the symposium, welcome dinner, farewell dinner, morning and afternoon coffee/tea, and lunch and dinner.

	Registration fee
Regular participant	RMB 2000
Student participant	RMB 1500

### Call for Papers

Contributions to EP'2023 are welcomed on all related topics. Both oral and poster presentations hold equivalent scientific status in the symposium, and excellent papers will be recommended to be presented orally. Contributors are required to submit the abstract through the registration website no later than June 30, 2023 (<https://www.bagevent.com/event/EP2023>). The abstract should be within one page of A4 paper (see the Abstract Format attachment). The official language of the symposium is English.

### Presentation

The duration allowed for plenary and oral presentations including discussion are 40 and 20 minutes, respectively. The lecture venue will be equipped with a lap-top computer and a multimedia digital projector.

### Poster

A 900 mm width × 1200 mm height board will be allowed for each poster presentation. The Student Poster Prize will be nominated.



## ACCOMMODATION

The symposium venue will be in Pan Pacific Hotel and Serviced Suites Ningbo. All events at EP'2023 will be held in this hotel. The Organizing Committee has reserved the rooms at advantageous rates in this hotel. The organizer recommends that you stay in this hotel. To secure your accommodation, the participants should complete the Hotel Reservation from <https://www.bagevent.com/event/EP2023>, before June 30.

## Location

Pan Pacific Hotel and Serviced Suites Ningbo are located at the heart of Eastern New Town—CBD of Ningbo, surrounded by prestigious landmarks - Ningbo IFC, Ningbo Municipal Government Office and the Ningbo Conference and Exhibition Centre.



## How to get to the hotel?

Pan Pacific Hotel and Serviced Suites Ningbo can be reached by Taxi for about 30 minutes from Ningbo Lishe Airport (宁波栎社机场). The taxi fee from the Airport to the Hotel is about RMB 70.

**Please take me to Pan Pacific Hotel and Serviced Suites Ningbo.**  
**请送我到宁波泛太平洋大酒店**  
**鄞州区民安东路 99 号 电话 : 0574-89118888**



## GENERAL INFORMATION

### Passport and Visa

Upon receiving your Visa Application information from the registration website (<https://www.bagevent.com/event/EP2023>), the organizer will send you an official invitation letter with which you can apply for an entry visa.

### Payment on-site

The cash in RMB is acceptable.

## CONTACT INFORMATION

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Web page: <http://eplab.iccas.ac.cn/>

## IMPORTANT DEADLINES

Before June 30, 2023, you need to complete the following processes through the event website (<https://www.bagevent.com/event/EP2023>):

- Registration
- Hotel reservation
- Abstract upload

## About Ningbo

Ningbo, one of the oldest cities in China with plenty of historical and religious sites, is surrounded by scenic mountains, forests, waterfalls, beaches, and freshwater lakes. Its beautiful complex is surrounded by tranquil courtyards and gardens. Another major attraction of the city is the 120 years old Tianfeng Pagoda, which is believed to be used as a lighthouse during ancient times, and the Drum Tower, a leftover piece of an old city gate tower that was constructed during the Tang Dynasty.

Since locating in the Yangtze River Delta Region of China, Ningbo has many research institutes and enterprises, focusing on the research, development, and commercialization of new materials.