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# 39<sup>th</sup> International Conference of the Polymer Processing Society (PPS-39)

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Cartagena de Indias, Colombia  
May 19-23, 2024

## Event Presentation

On behalf of the Polymer Processing Society, Universidad de Los Andes and Instituto de Capacitación e Investigación del Plástico y del Caucho (ICIPC), we are pleased to announce the 39th International Conference of the Polymer Processing Society, which will take place in **Cartagena de Indias, Colombia, between May 19<sup>th</sup> and 23<sup>rd</sup>, 2024.**

This conference is one of the most prestigious and long-standing international events on the science and technology of polymers, dedicated to the promotion and exchange of ideas, research and development, innovation and sustainability. More than 700 participants are expected, from industry, academia and institutions related to the polymer value chain from all over the world.

## Scientific Committee

The conference will include 22 symposia, each of them supervised by a scientific committee of 4 to 8 members with very diverse origins (52 from the Americas, 52 from Europe and Africa, and 22 from Asia and Oceania). The committees members have been appointed due to their commitment to ensure that the organization and the material presented meet high quality standards.

## Scheduled Presentations

The event will feature 8 confirmed plenary sessions, 4 industrial keynotes in which large companies and institutions will present their advances on technological and environmental issues with plenary attendance. Also, for each symposium, we will have a distinguished keynote speaker, whose presentations will focus on the state of the art and on future vision of a particular relevant subject. Moreover, we will have 41 additional keynote speakers offering presentations on outstanding advances in their specific fields of work. There will be 9 parallel sessions for oral presentations and 2 poster sessions with close to a hundred participants each.

## The Venue

Cartagena de Indias is the most important tourist capital in Colombia, it is a UNESCO World Heritage Site and last year it had about 3.7 million visitors. Additionally, it is the location of important petrochemical industries in Colombia, producing PP, PVC, PS and PE.

The Hilton Cartagena de Indias Hotel will host the conference and will provide accommodation for the participants with special rates. Cartagena's capability of hosting events such as this one, with a high volume of attendees, and its abundant air connections from overseas, make it a very convenient venue for the event.

Activities for socialization and professional networking will be an important part of the welcome reception, the coffee and lunch breaks, as well as the event dinner. Participants will be able to enjoy a guided visit to the San Felipe de Barajas Castle, an emblematic historic colonial fortification. Day long tourist packages will be offered to those who want to explore further Cartagena's sites of interest.

## Important Dates

<b>Call for abstracts</b>	September 1 <sup>st</sup> , 2023
<b>Abstract submission deadline</b>	November 30 <sup>th</sup> , 2023
<b>Notification of acceptance</b>	February 15 <sup>th</sup> , 2024
<b>Early registration deadline</b>	March 15 <sup>th</sup> , 2024
<b>Regular registration deadline</b>	April 19 <sup>th</sup> , 2024
<b>Late registration deadline</b>	After April 19 <sup>th</sup> , 2024
<b>Full paper submission deadline</b>	June 30 <sup>th</sup> , 2024

## Symposiums

### General Symposia

- Additive Manufacturing (3D Printing)
- Extrusion
- Functional Additives and Reactive Processing
- Injection Molding
- Polymerization and Synthesis
- Polymer Blends and Alloys
- Polymer Composites
- Polymer Foams and Membranes
- Polymer Surfaces and Interfaces
- Fibers and Films
- Nanotechnology and Nanocomposites
- Mechanical Properties and Fracture
- Mixing and Compounding
- Modeling and Simulation
- Rheology and Characterization
- Morphology and Structural Development
- Rubber and Elastomers
- Machine Learning in Polymer Processing

### Special Symposia

- Biopolymers, Biocomposites and Bioprocessing
- Circular Economy of Polymers
- Degradation, Biodegradation and Composting
- Polymers in the Sustainable Development Goals of the United Nations

## Plenary Speakers



**Ica Manas-Zloczower**  
Towards a Circular Economy:  
Recycling Thermoset Waste  
Via Dynamic Chemistry



**Marcelo Calderón**  
Crossing biological barriers –  
smart modalities to improve  
performance of polymeric  
nanocarriers



**Tim A. Osswald**  
Environmentally Safe  
Preservation, Stabilization and  
Processing of Natural Rubber  
Latex in an Acid Environment



**Manjusri Misra**  
Sustainable Polymer for a  
Circular Economy



**Cyrille Boyer**  
Nanostructure Control in 3D  
Printing through  
Polymerization Self-Assembly  
Process



**Alejandro Müller**  
Tailoring the Structure and  
Properties of Isodimorphic  
Random Copolymers by Varying  
Chemical Structure and  
Composition