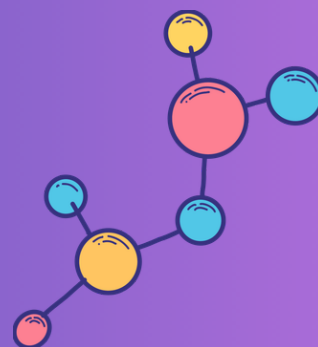


PRELIMINARY PROGRAM



Annual International Conference on
POLYMER SCIENCE AND SMART MATERIALS
&

Annual International Conference on
CLEAN AND GREEN ENERGY ENGINEERING

September 28-29, 2026 | Lisbon, Portugal



Prepared by

Synergia Summits Private Limited

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- 09:00-09:45 Registrations and Badge Pickup
09:45-10:00 Opening Ceremony and Welcome Remarks

Plenary Talks

Moderator: **To be confirmed.**

- 10:00-10:40 **Gérard Jean-François**, INSA Lyon, France
Title: Tailoring nanoscale to design smart polymer materials
- 10:40-11:20 **Georgios C. PSARRAS**, University of Patras, Greece
Title: Hybrid Polymer Matrix Nanocomposites: Multi-functional Performance vs Smart Behaviour
- 11:20-11:40 Networking and Coffee Break
- 11:40-12:20 **Ir.Suzana Yusup**, Sunway University, Malaysia
Title: Progress and Potential of Clean and Green Energy in Science, Technology, and Innovation Ecosystem
- 12:20-13:00 **Dimitrios Rakopoulos**, Centre for Research & Technology Hellas (CERTH), Greece
Title: Energy transition and its impact on power systems: The European paradigm, challenges and solutions
- 13:00-14:00 Group Photograph followed by Lunch
- 14:00-14:40 **Liang-Chi Zhang**, Southern University of Science and Technology, China
Title: AI-Driven Design of Smart Polymers with Tailored Mechanical Properties

Keynote Talks

Moderator: **To be confirmed.**

- 14:40-15:10 **Patricia María FRONTINI**, INTEMA, Argentina
Title: Multivariable regression-genetic algorithm optimization approach for prediction and adjustment of complete filling conditions of an injection-molded part
- 15:10-15:40 **Kolos MOLNÁR**, Budapest University of Technology and Economics, Hungary
Title: Hybridizing 3D Printing with Nanofibers: Building Hierarchical Porous Structures with Tunable Properties
- 15:40-16:10 **Kiriaki Chrissopoulou**, IESL, Foundation for Research and Technology – Hellas (FORTH), Greece
Title: Polymer Nanocomposites: Correlating Structure with Properties
- 16:10-16:30 Networking and Coffee Break
- 16:30-17:00 **Petr Spatenka**, Czech Technical University in Prague, Czech Republic
Title: Plasma treatment of raw materil for products with enhanced adhesion

17:00-17:30 **Arman Oshnoi**, Aalborg University, Denmark
Title: Next-Generation Battery Management System for Sustainable Electrification

17:30-18:30 **POSTER PRESENTATIONS**

- P001 **Patricia María FRONTINI**, CONICET, Argentina
Title: Polymer Engineering, Processing, and Manufacturing
- P002 **Lubos Kristak**, Technical University in Zvolen, Slovakia
Title: Physics-Guided VOC Marker Transport in a Full-Scale Medium-Density Fibreboard Dryer
- P003 **Natalia Terenti**, National Institute for Isotopic and Molecular Technologies, Romania
Title: Coordination polymers based on lactone-functionalized poly(benzofuran-co-arylacetic acid) for energy storage applications
- P004 **Gal Melinda-Eva**, National Institute for Isotopic and Molecular Technologies, Romania
Title: Lanthanide-Coordinated Carboxylated Polymer Networks for Advanced Functional Materials
- P005 **Yusheng Zheng**, Aalborg University, Denmark
Title: To be confirmed.
- P006 **Hoda Sorouri**, Aalborg University, Denmark
Title: To be confirmed.

END OF DAY-01

DAY-2

Tuesday, Sept 29, 2026
Meeting Room: Room 01

Plenary Talks

Moderator: To be confirmed.

- 10:00-10:30 **Mathias Ulbricht**, Universitat Duisburg-Essen, Germany
Title: Advanced polymer-based membranes with tailored barrier and surface properties

Keynote Talks

- 11:20-11:50 **Ville Julien**, Université de Bretagne Occidentale, France
Title: Polymer and Processing: Applications to Electromagnetic Absorption

13:20-14:20	Networking and Coffee Break
Invited Talks	
11:50-12:20	George Pasparakis , University of Patras, Greece Title: Structure–Property Relationships in Stimuli-Responsive Polymers for Controlled Delivery Applications
12:20-12:50	Martin Hruby , Czech Academy of Sciences, Prague, Czech Republic Title: Dynamic Polymer Nanonetworks: Assembly and Disassembly Driven by External Stimuli
12:50-13:20	Marie-Pierre G. Laborie , Luxembourg Institute of Science and Technology, Luxembourg Title: Processing and Tuning fully Biobased and Humus-returning Lignin / Cellulose Multiphase Plastic
14:20-14:45	Andrzej Mikuła , AGH University of Krakow, Poland Title: Development of Pentlandite-Based Electrocatalysts for Acidic Hydrogen Evolution Reaction: Composition–Structure–Activity Relationships
13:20-14:20	Networking and Coffee Break
14:20-14:45	Ján Kruželák , University of Technology in Bratislava, Slovakia Title: Composites based on rubber and magnetic soft ferrites with EMI absorption shielding effectiveness
14:20-14:45	Renata Cicha-Szot , Oil and Gas Institute, Kraków, Poland Title: From Hazard to Value: Smart Methane Management with H ₂ Generation and CCUS in Sustainable Mining
14:20-14:45	Moran Aviv , Tel Aviv University, Israel Title: Tailoring the structure and antibacterial properties of self-assembled Fmoc-phenylalanine nanostructures through positional fluorination
13:20-14:20	Networking and Coffee Break
14:20-14:45	Vasile Robert Gradinaru , UAIC, Romania Title: Multimodal Hydrogel Systems for Drugs and Enzymes Delivery
14:20-14:45	Alexandrina Nan , National Institute for Isotopic and Molecular Technologies, Romania Title: Tailoring the structure and antibacterial properties of self-assembled Fmoc-phenylalanine nanostructures through positional fluorination
15:10-15:30	CONFERENCE HIGHLIGHTS & CLOSING CEREMONY

