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Meeting Report

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Report on the 4th International Conference on Polymer Science and Engineering

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The 4th International Conference on Polymer Science and Engineering (Polymers-2025) organized by United Scientific Group was held from October 06, 2025, to October 08, 2025, in Hybrid mode (In-person & Virtual). **53** attendees from more than 25 countries presented at Polymers-2025 over 3 days with **6** plenary talks, **4** keynote lectures, **31** oral and **2** poster presentations. Of the plenary speakers, opening talk given by Dr. Alamgir Karim, University of Houston, Houston, TX on "Advanced Membranes for a Shared Vison for Clean Water Resources". Dr. Peter X. Ma, University of Michigan, Ann Arbor, MI presented "Designing Polymers at Multiple Scales to Direct Cell Fates and Tissue Regeneration", and Dr. Richard J. Spontak, North Carolina State University, Raleigh, NC presented "A New Paradigm for Antimicrobial Polymer Surfaces with High Inactivation Efficacy and No Antimicrobial Resistance" and Dr. Vistasp Karbhari, University of Texas at Arlington, Arlington, TX presented "Effects of Thermal and Hygrothermal Aging of Wet Layup Carbon/Epoxy Composites" and Dr. Virgil Percec, University of Pennsylvania, Philadelphia, PA presented "The Cell Membrane and its Mimics are Supramolecular Polymers", and the last plenary talk by Dr. Robert Guidoin, Laval University, Canada presented "Looking for the Most Select Materials for Limb Salvage in Peripheral Artery Disease".

Keynote talks given by Dr. Guoqiang Li, from Louisiana State University, Baton Rouge, LA Lectured "Multifunctional Syntactic Foams" and Dr. Ramesh Talreja, Texas A&M University, United States presented "Failure Analysis of Polymer Matrix Composites with Manufacturing Defects", Dr. Shiren Wang, from Texas A&M University, United States presented "Biomimetic Polymer-encapsulated Catalytic Nanoplatform for Tumor-specific, Self-accelerating Chemo dynamic Cancer Therapy" and last keynote talk given by Dr. Liming Dai, University of New South Wales, Australia on "Rationally Designed Polymer and Carbon Interfacial Materials for Multifunctional Applications".

Oral and poster presentations were carried out on various topics including "Polymer Applications", "Polymer Properties", "Nano & Biopolymers", "Polymers in Medicine & Biochemistry", "Polymer Composites, "Polymer Emulsions, Surfaces & Interfaces", and "Polymer Chemistry". Those presentations demonstrated the firsthand findings of basic and/or clinical research which were well appreciated by the participants.

We are also obliged to various delegate experts, company representatives and other eminent personalities who supported the conference by facilitating active discussion forums.

The conference has provided an exciting opportunity to showcase research, modern technologies and the service of the industry to the global audience on Polymer science. The 5th International Conference on Polymer Science & Engineering (Polymers-2026) will be held on October 07-09, 2026, in San Francisco, CA. We look forward to seeing your presence with your research findings in the next edition.