

TechnoBiz Online Training

Applied Polyurethane Chemistry

19–20 August 2026, 8am–10am EST

Program Content

- Molecular Architecture of Polyurethanes
- Isocyanate Chemistry, Structure, and Manufacture
- Polyol Types and Molecular Structure
- Polyurethane Catalysts
- Phase Separation in Polyurethanes (Rigid vs Flexible Domains)
- Processing–Structure Relationships
- Morphology and Molecular Motion
- Hydrogen Bonding in Polyurethanes
- Polyurethane Materials and Applications
- Measurement of Physical Properties of Polyurethanes
- Thermal Analysis of Polyurethanes
- Characterization Techniques for Polyurethanes



Speaker – Dr. Joseph Marcinko

Dr. Marcinko has over 40 years of experience in industrial R&D, research management, and academia. In 2000, he founded Polymer Synergies, a global consulting and contract R&D company specializing in polyurethane chemistry, adhesion science, biopolymer adhesives, wood and agricultural fiber composites, and polymer characterization. He has authored more than 60 peer-reviewed publications and holds 22 patents, with two pending. He serves as an adjunct instructor at The University of Akron and develops industrial short courses on polyurethane and polymer chemistry, biopolymer adhesives, coatings, and adhesion science. His work follows a strong Structure–Property approach to developing advanced polymer systems. Earlier in his career, he was a Senior Scientist and Research Manager at ICI Polyurethanes (later Huntsman Polyurethanes). He earned his Ph.D. from The University of Akron, an M.S. from Case Western Reserve University, and B.S. degrees in Biology and Chemistry from King’s College, USA.

Registration Fee (Person): 400 US\$ (Live Session)

- Record Session Participation is Available after 21 August 2026
- Please register before 15 July 2026 for earlybird registration fee.
- Registration Fee includes Presentation Handout in PDF format

Contact Person

Peram Prasada Rao, TechnoBiz, Thailand

Email: peram@technobiz.org , peram.technobiz@gmail.com

Web: <https://events.technobiz.org>

Registration Form

