

Thermal Analysis of Polymers

17 August 2017, Cleveland, Ohio

Venue: Crowne Plaza Cleveland Airport

Organized by



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Czuba Enterprises Inc.

Course Overview :

This one day course is designed to provide an overview of standard Thermal Analysis instruments and techniques and how these techniques are used to characterize polymeric materials and how they are applicable to polymer processing and problem solving.

Course Topics :

- Thermal Analysis Instrumentation
- Experimental Considerations
- Thinking Beyond Standard Analysis
- Industrial Problem Solving Case Studies

Course Objectives :

- Learn the basics of the techniques; DSC, TGA, TMA, DMA
- Learn how to use multiple Thermal Analysis techniques in tandem to solve process and performance problems in product development
- Learn how to understand the nature of transitions in polymeric materials
- Develop an understanding of when to use a particular Thermal Analysis technique
- Learning to combine TA with non-traditional techniques like variable temperature solid state Nuclear Magnetic Resonance (NMR) Spectroscopy

Registration Fee/ Person

- **800 US\$/Person**
The registration fee includes documentation, lunch and refreshments

Group Discount: If 3 or more than 3 delegates join from the same organization, 10% discount will be offered on total registration fee

Program Schedule: 8.30am to 4.30pm

To register, Please download registration form at www.plastics-industry.org and send filled form to Mr. Len Czuba

Instructor:

Joseph Marcinko, Ph.D. is Principal Scientist and President of Polymer Synergies LLC. Dr. Marcinko has over 30 years of industrial R&D, research management, and academic experience. His interests and expertise are in the areas of



polyurethane chemistry, bio-polymers, adhesion science, wood composites, polymer characterization, solid-state NMR spectroscopy, and polymer structure-property relationships. He is an adjunct professor and a developer of industrial short courses related to polyurethane and polymer chemistry and industrial problem solving. Dr. Marcinko has authored over 40 publications, and has 7 patents and 6 patents pending. *Educational Summary:* Ph.D. - Chemistry, The University of Akron, Akron, OH, 1992/ M.S. - Chemistry, Case Western Reserve University, Cleveland, OH, 1990 / B.S. - Chemistry; B.S. - Biology, King's College, Wilkes-Barre, PA, 1983

Venue & Accommodation

- Crowne Plaza Cleveland Airport, 7230 Engle Road, Middleburg Heights, OH 44130, Tel: (440) 243-4040
- Hotel provides shuttle service to & from Cleveland Hopkins Airport.
- Hotel event rate for rooms are \$109 per night (plus applicable state and local taxes currently 16.50%)
- Hotel offers complimentary parking.
- Accommodation Booking Online: <https://tinyurl.com/mb94zey>

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