Announcing EPCEd's *New*, On-line Tutorial Curriculum

Dear Colleagues,

Emulsion Polymers Consulting and Education, LLC is pleased to announce that we have created (some still in progress) a new curriculum of 21 tutorials addressing both the ***fundamentals*** of emulsion polymers and ***special topics*** for emulsion polymers. These are shown directly below:

Fundamentals

Basics of Emulsion PolymerizationCharacterization (analytical) of Latexes and Latex Particles

Core-shell and Other Composite Latex Particles

Film Formation of Latexes

Latex "Stability" – Fundamental Aspects

Molecular Weight Control Emulsion Polymerization – Recipe and Process Effects

Rheology of Mono- and Bimodal Latexes

Scale-up Principles for Synthetic Latexes

Special Topics

DSC Techniques to Measure Polymer Phase Separation in Composite Latex Particles

Glass Transitions (wet and dry) of Polymers – Latexes and Subsequent Films

Hybrid Latexes – Acrylics with Polyurethanes, Alkyds, Inorganic

Impact Modifiers via Emulsion Polymerization

"Large" Particle Sized Latex Production

Non-spherical Latex Particles (with rheology modifier applications)

Redox Chemistries and Reactions for Producing Low VOC Latexes

Reversible Deactivation Radical Polymerization in Emulsion Polymerization

Starch Modification Leading to Starch/Acrylic Hybrid Latexes

Surfactant Adsorption onto Latex Particles

Vinyl Acid Comonomers in Emulsion Polymerization - Reactions, Locations in the Latex

Water Adsorption into Solvent- and Waterborne Films, Water Whitening of Films

Zeta Potential Measurements in Latexes

We have scheduled three of the fundamental tutorials to take place during the rest of 2025. ***Core-Shell and Other Structured Latex Particles – Production and Characterization*** is scheduled for June 12, 2025. ***Characterization of Synthetic Latexes*** is scheduled for September 18, 2025, and ***Basics of Emulsion Polymerization*** for November 20, 2025. As we move through 2025, we will also choose 4-5 tutorials to present in 2026 and send that information to you. Since we have not yet chosen the topics for next year, ***we invite you*** to contact us to let us know which one(s) you suggest that we consider.

All of the tutorials are to be presented on-line using Microsoft Teams, and each one will be comprised of a 2-hour presentation/discussion of PPT slides, followed by a 30-minute discussion period of questions posed (via Chat Box) by participants during the 2-hour presentation. For every tutorial, each participant will receive a MS Teams invitation, and a personalized workbook with all of the slides printed in full color – exactly the same as we have always done for our 3 or 4 day workshops in which many of you have participated. These workbooks will be delivered to each participant's home or company address prior to the tutorial presentation date. Because we expect there to be participants living in a number of different time zones, we will schedule the on-line sessions to begin at 9:30 AM (EST or EDT, depending upon the calendar) so that it is possible to accommodate participants from many parts of the world.

While we completely realize that a 2-hour tutorial on a particular topic is no substitute for a 3 or 4 day intensive workshop on that subject, these short and low cost ($425, USD) educational offerings might well be the starting point for getting involved in a continuous process of developing greater and greater depth in the science and engineering aspects of emulsion polymers. In depth workshops for you might well follow such an introduction to these subjects.