Litesizer Academy Agenda

Let there be light: Measure your particles using lasers!

Monday, August 22nd

08:15	Registration
08:30	Welcome and Introduction
08:45	Dynamic Light Scattering (DLS Theory): Introduction, measurements possible (Size, Zeta potential, Refractive index, Transmittance, Molecular weight)
	Kalliope software overview, measurement settings and capabilities
10:30	***Coffee break***
10:45	**Lab Session 1 (DLS Hands-on)**
	Measurement first steps, selecting the correct cuvette, verifying correct settings, advanced troubleshooting tips, advanced Kalliope settings
	Lab Instrumentation Tour
12:30	***Lunch***
13:00	Electrophoretic Light Scattering (ELS Theory) - Introduction, Zzeta potential theory, applications
15:00	***Coffee break***
15:15	**Lab Session 2 (ELS Hands-on)**
	Sample preparation, choosing the right cuvette and other measurement details, dealing with difficult samples, perform a live measurement.
16:00	Case Studies: Real world applications for the Litesizer
17:00	Q&A and Wrap Up
17:30	**End of Day One**

Tuesday, August 23rd

08:30	**Lab Session 3 (Litesizer 500 Dosing Unit)**
	Functionality
	Role of pH in Zeta Potential Measurements
	Dosing unit hands-on:
	Setup
	Conduct Zeta potential Vs pH measurement
	Advanced measurement set-up
	Troubleshooting tips
10:30	***Coffee break***
10:45	Advanced measurement set-up
	Troubleshooting tips
12:30	***Lunch***
13:00	**End of Litesizer Academy**