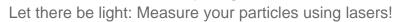
## Litesizer Academy Agenda





## Monday, August 22<sup>nd</sup>

| 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 23<sup>rd</sup>

13:00

|       | •   |
|-------|---|
| 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                                     |

**End of Litesizer Academy** 

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