

# Nano Particle Sizing with Zeta Potential: The Principles of Dynamic Light Scattering

by Dr. Ornov Maulik

1<sup>st</sup> April 2019 | 09:30 – 17:30 hours

## About this seminar:

The method of dynamic light scattering (DLS) is the most common measurement technique for particle size analysis in the nanometer range.

In this seminar, we describe the theory as well as the basic DLS setup and explain how the particle size is determined. Further, the typical outcome of a DLS analysis will be presented and practical tips on measurement settings and data verification will be included.

## Who should attend:

Those who are interested in the basics of particle size analysis and wish to learn how dynamic light scattering can be applied in research and industry can benefit from this seminar. Also, learn to interpret and understand relevant data to reduce time and costs in your daily work flow.

## We will provide you technical insights into the following topics during this seminar:

- Basics of Dynamic Light Scattering
- Intensity Trace and Correlation Function
- Zeta Potential Measurements
- Verifying the data quality of DLS measurements
- Choosing the right measurement angle
- Hands-on-session on the Litesizer™ 500 - an instrument for characterizing nano and microparticles in dispersions and solutions

## Speaker:



### Dr. Ornov Maulik

Dr. Ornov Maulik is presently working as an Application Specialist at Anton Paar Middle East Technical Centre, Dubai, where he provides technical support for characterization techniques like such as Rheology, Particle size measurement and Indentation.

With a Doctorate in metallurgical and material engineering, he has expertise in different material characterization techniques such as Raman Spectrometer, DMA, DSC, XRD, TEM, SEM etc.

## To know more, contact:

**Dr. Ornov Maulik at +971 056 532 1101 or [info.metc@anton-paar.com](mailto:info.metc@anton-paar.com).**

Click here to **register** as only limited places are available.

We look forward to welcoming you at the seminar.