

Reply Slip

Please confirm your attendance by completing the details and email to us at:

Phone +63 2 548 3200 Ext. 3267

joelrey.tagama@dksh.com (Attn. Joelrey Tagama)

marketing.tecph@dksh.com (Attn. Lovely Ann Loteria)

Company : _____
Department : _____
Address : _____

Attendee 1

Prefix Prof / Dr / Mr / Mrs / Ms

Name : _____

Designation : _____

Phone / Mobile No: _____

Email : _____

Attendee 2

Prefix Prof / Dr / Mr / Mrs / Ms

Name : _____

Designation : _____

Phone / Mobile No: _____

Email : _____

Seats are limited on first come first served basis.

Please reply before November 08, 2019.

DKSH Philippines Inc.

8th Floor Cyber Sigma Lawton Ave. McKinley West Fort Bonifacio

Taguig City 1634, Philippines

Phone +63 2 548 3200 Ext. 3267

Mobile number 0998 960 0239

Email joelrey.tagama@dksh.com | marketing.tecph@dksh.com



A better understanding on the particle sizing via dynamic light scattering and zeta potential

DKSH in collaboration with
Premiere Research Institute of Science and Mathematics
(PRISM)
MSU-Iligan Institute of Technology



Venue

Premiere Research Institute of Science and Mathematics
Mindanao State University-Iligan Institute of Technology
Andres Bonifacio Avenue 9200 Iligan City, Philippines

Date / Time

November 12, 2019

08:30 AM – 11:00 AM



Business Line
Scientific Instrumentation

About the course

By far the most important physical property of particulate samples is particle size. Measurement of particle size distributions is routinely carried out across a wide range of industries and is often a critical parameter in the manufacture of many products. The particle size distribution has a direct influence on material properties such as:

- Reactivity or dissolution rate - e.g. catalyst, tablets
- Stability in suspension - e.g. sediments, paints
- Efficacy of delivery - e.g. asthma inhalers
- Texture and feel - e.g. food ingredients
- Appearance - e.g. powder coatings and inks
- Flowability and handling - e.g. granules
- Viscosity - e.g. nasal sprays
- Packing density and porosity - e.g. ceramics

Dynamic light scattering (DLS), sometimes referred to as Quasi-Elastic Light Scattering (QELS), is a noninvasive, well-established technique for measuring the size and size distribution of molecules and particles typically in the submicron region, and with the latest technology lower than 1nm.

Typical applications of dynamic light scattering are the characterization of particles, emulsions or molecules, which have been dispersed or dissolved in a liquid. The Brownian motion of particles or molecules in suspension causes laser light to be scattered at different intensities. Analysis of these intensity fluctuations yields the velocity of the Brownian motion and hence the particle size using the Stokes-Einstein relationship.

DKSH Philippines at a glance

We are the leading Market Expansion Services provider for companies who want to grow their business in the Philippines. We help companies grow their business in existing markets and expand into new ones. We combine extensive industry and product knowledge with a structured and systematic sales approach to outperform the market and increase our clients' market share.

Seminar Highlight

This workshop features Malvern Zetasizer which measures particle and molecule size from below a nanometer to several microns using dynamic light scattering, zeta potential and electrophoretic mobility using electrophoretic light scattering, and molecular weight using static light scattering.

Registration is free!

Come, see, and feel our Zetasizer!



Programme

08:30 - 08:45	Registration
08:45 - 09:00	DKSH Corporate Presentation
09:00 - 11:00	Particle size measurement • Basic theory of size by DLS • DLS experiment • Data interpretation
11:00	End of program

Speaker

Mark Mangogtong

Product Specialist

DKSH Philippines Inc.



He is a licensed chemist who has 8 years of experience in analytical analysis focuses on agriculture, mining, foods and material science. He graduated in Visayas State University for BS in Chemistry in 2011. His previous work experience in a testing laboratory for geological samples for 6 years as Shift Supervisor gave him expertise on XRF, AAS, CS analyzer, titration and sample preparation. During his years in his previous company, he was also assigned in a gold mining site. In DKSH, he is assigned as product specialist who handles XRF, XRD, Particle size analyzers, NIRS and fusion.

Location

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