

### **Increasing demand for nanoparticle analysis instrumentation in Asia – LUM sponsors Asian Particle Technology Symposium in Korea**

Berlin, 1 September 2015: The 6th Asian Particle Technology Symposium (APT2015), organized by the Korean Institute of Chemical Engineers, Division of Fine Particles Technology, takes place in the Korean capital Seoul from 15 – 18 September.

As a Berlin based company with strong research activities LUM GmbH is pleased to actively contribute to the success of the event, being one of the selected sponsors.

Together with the organizer LUM welcomes the attendees from all around the world to Seoul.

LUM GmbH is market leader in innovative analysers for direct and accelerated stability analysis and particle characterization of dispersions. Since the market introduction of the first stability analyser LUMiFuge® in 1998 LUM instruments are successfully used in particle technology. With the introduction of the Multi-wavelength Dispersion Analyser LUMiSizer® in 2012 there is a significant increase of use in nanotechnology. There is almost no limit in applications. LUM instrument users determine particulate properties, like size, density and magnetization, besides the dispersion and stability properties in the original concentration of the formulation.

Following the market introduction of LUMiReader® X-Ray this year, LUM now offers the combination of X-ray technology with the proprietary STEP-Technology® and closes the gap for investigation of highly transparent nanoparticle suspensions, e.g. nanosilica, as well as for highly concentrated, opaque formulations like slurries or foams. In-situ, in real-time, non-invasive and non-destructive.

LUM contributes to the scientific programme of APT2015 with own research results in two lectures on 16 September.

The contribution „New Insight into Concentrated Micro- and Nanodispersions by X-Ray Concentration Profiling“ provides solutions for the determination of the separation behaviour and homogeneity of highly concentrated dispersions, including complex mixtures of several dispersed particle types. Even transparent highly concentrated suspensions of „small“ nanoparticles (below 10 nm) can be analysed.



## Press Release

“Characterization of Dispersibility and Dispersion Quality” puts the focus on the analytical evaluation of those processes and on the determination of the Hansen parameter, especially for nanodispersions and pigments using the LUMiSizer®.

By invitation of the organizer Prof. Dr. Lerche will chair the symposium OP37 Agglomeration & Colloidal Processing.

The exhibited Multi-wavelength LUMiReader® PSA, as well as the Dispersion Analyser LUMiSizer® are instruments for the comprehensive understanding of complex industrial products in an easy way, giving hydrodynamic particle density, separation velocity distribution and particle size distribution in addition to the direct stability result.

LUM and the partners of the Korean Distributor Youngjin Corporation are looking forward to meeting you at the booth. LUMiReader® X-Ray and the Adhesion Analyser LUMiFrac® are presented, too.

Event information and registration:

<http://apt2015.org/>

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