



**Preliminary programme
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Last call for papers

Register at workshop2018.lum-gmbh.com

International Conference and Workshop Dispersion Analysis & Materials Testing 2018

Berlin, Germany,
29-30 January 2018

31 January: additional Workshop
with Hands-on Training



Scientific Conference

Day One, Monday, January 29:

Conference

09:00 Get together and registration

10:00 Conference opening/Welcome & Introduction
Prof. Dr. Dietmar Lerche, Scientific Conference Chair, Germany

10:30 - **Lectures**

12:35 Lunch Break

13:35 - **Lectures**

19:00 **Social event**

Confirmed lectures:

Accelerated galenic stability measurement of cosmetic formulations,
Richard Lehmann, Bio-Chemisches Laboratorium Dr. Lehmann GmbH & Co. KG (GER)

Particle Size Characterization in Supersaturated Crystal Suspensions,
Lukas Hohmann, Technical University of Dortmund, Equipment design (GER)

Influence of shearing as pretreatment on the separation properties of exopolysaccharides (EPS) producing bacterial starter cultures, *Iorian Häffele, Institute of Mechanical Process Engineering and Mechanics (MVM), Karlsruhe Institute of Technology (KIT), Karlsruhe, (GER)*

Investigation on the filterability of mechanical instable protein crystals,
Benjamin Radel, Institute of Mechanical Process Engineering and Mechanics (MVM), Karlsruhe Institute of Technology (KIT), Karlsruhe (GER)

Characterising suspensions of agrochemicals using the LUMiReader X-Ray,
Robin Wesley, Syngenta, Formulation Development (UK)

Silica nanoparticle network induced by micro-phase separation considering surface wettability, *Chika Takai, Advanced Ceramics Research Center, Nagoya Institute of Technology (JP)*

Scientific Committee Chair:

Prof. Dr. D. Lerche, LUM GmbH

Organizing Committee Chair:

Dr. Arnold Uhl, LUM GmbH



Justus-von-Liebig-Str. 3, 12489 Berlin, Germany Phone +49 30 67 80 60 30
Fax +49 30 67 80 60 58 www.lum-gmbh.com / event@lum-gmbh.de

Scientific Conference

Day Two, Tuesday, January 30

09:00 **Opening**

YSA Session

Further lectures

16:30 **Closing remarks/End of conference**

Characterization of phase separation and stability of water-in-water emulsions stylized by Pickering effect, [Lazhar Benyahia, Le Mans Université, \(FR\)](#)

Investigation of Storage Stabilities of Corrosion Inhibitors for Water Treatment, [Julia Jasper, Kurita Europe GmbH \(GER\)](#)

Brownian Dynamics Simulations of Analytical (Ultra)Centrifugation Experiments Exhibiting Hydrodynamic and Thermodynamic Non-Ideality, [M.J. Uttinger, Institute of Particle Technology \(LFG\), Friedrich-Alexander-Universität Erlangen- Nürnberg \(FAU\) \(GER\)](#)

Experimental Approach for Determination of Hansen Dispersibility Parameter (HDP) of Nano/Micro particles by means of Sedimentation Techniques, [Shin-ichi Takeda, Takeda Colloid Techno-Consulting Co. Ltd.](#)

Stabilization of ceramic suspensions for thermal spraying, [Annegret Potthoff, Anja Meyer, Powder and Suspension Characterization, IKTS Fraunhofer \(GER\)](#)

Particle Sedimentation, Yield Stress Measurements and Permeability Studies of Nuclear Waste Simulants, [Jessica Shiels, University of Leeds \(UK\)](#)

Title to be announced, [Claus Rolin CP Kelco \(DK\)](#)

Nominated for YSA 2018

Agglomeration Behavior of Emulsion-Slurries before and After Cake Filtration, [Sophie Kühne, TU Bergakademie Freiberg \(GER\)](#)

Exopolysaccharides in fermented dairy products: Effects on sedimentation during manufacture and storage, [Georg Surber, TU Dresden \(GER\)](#)

Evaluation of analytical centrifugation performance for the particle size analysis of real-world materials, [Christian Ullmann, TU Dresden \(GER\)](#)

The solution to oil slick flotation in fruit drinks by instrumental analysis of LUMiSizer combined with near infrared fingerprint techniques, [Yongzhu Wen, Master Kong \(CN\)](#)

Check our website at workshop2018.lum-gmbh.com for new entries.

Registration

Deadline for registration is **January 15, 2018**. Registration by email to event@lum-gmbh.de or via workshop2018.lum-gmbh.de. The invoice will be sent after registration. Please also turn to the payment page for your preferred payment method. The final confirmation will be sent to you immediately after payment.

Participant Address

Title, First Name, Surname

Email

Phone

Company/Institution

Department

Street or PO Box

Place and Postcode

Country

Invoice Address

Title, First Name, Surname

Email

Phone

Company/Institution

Department

Street or PO Box

Place and Postcode

VAT Code

Country

- I have submitted an abstract.
- I have submitted an application for the Young Scientist Award 2018.

Prices:

- Workshop & Conference: 545.00€***
- SPECIAL OFFER: Workshop & Conference plus Hands On Training for 665.00€* (see pages 5 & 6)**

*net per person, VAT not included

Payment Method

- Bank transfer to LUM account
- VISA Credit Card
- Mastercard Credit Card

Number of Credit Card

Expires End / Valid Thru

Name on Credit Card

Card Verification Value / Card Value Code

Date and Signature



31 January Workshop with Hands-on Training

Following the conference & workshop, there will be four-hour-hands-on-courses for LUM instruments at LUM facility in the morning of 31 January. The courses are limited to a total of 16 participants on first come-first served basis.

Courses include (each limited to 4 pax)

09:00 - 13:00 Practical Course on Stability

09:00 - 13:00 Droplet size distributions, Particle size distributions, Particle properties

09:00 - 13:00 How to correlate accelerated stability with real-time storage?

09:00 - 13:00 A closer look into SEPView 6

LUM Young Scientist Award 2018



With calling for papers for Young Scientist Award 2018 LUM again broadens its support and commitment in promoting young researchers from universities and academic institutions all across the globe. The submissions of relevant scientific results to the organizing committee of the workshop are hereby strongly encouraged.

The deadline for LUM Young Scientist Award 2018 applications has expired.

Prices

January 29-30, 2018

(Special offer 31 January see below)

Two days including evening event:

Registration fee
€545.00*

SPECIAL OFFER: Workshop & Conference plus
4-hour Hands-on Training at LUM facility on 31
January**

Registration fee
€665.00*

Please choose one of the following sessions:

- Practical Course on Stability.
- Droplet size distributions, Particle size distributions, Particle properties.
- How to correlate accelerated stability with real-time storage?
- A closer look into SEPView 6.

Cancellation fee after 4 January 2018 100%. A substitute is welcome.

* net per person, VAT not included

** Limited to 16 participants (first come-first served basis)



Conference location & accommodation

The conference is located at
Park Inn by Radisson
Alexanderplatz 7, 10178 Berlin, Germany
www.parkinn.de/Hotel/Berlin

For booking please use the following e-mail address and reservation code to get special discount rates:
reservations@parkinn-berlin.com
Reservation Code: LUM/WS18



Air

- Berlin Schönefeld Airport (SXF)
 - Berlin-Tegel (TXL)
- for Information on public transport, please check www.bvg.de

Public Transport

- S-/U-Bahn and DB railways station Alexanderplatz
- for Information on public transport, please check www.bvg.de

**Location for hands-on-courses on January 31: LUM GmbH,
Justus-von-Liebig-Str. 3, 12489 Berlin**