



*In the year of the
25th anniversary
of LUM*

International Conference Dispersion Analysis & Materials Testing 2019

**Berlin, Germany,
May 22-23 2019**

Online registration:
conference2019.lum-gmbh.com
Find out more at www.dispersion-letters.com



About the scientific conference

From 22-23 May 2019, LUM GmbH hosts the next International Conference Dispersion Analysis & Materials Testing in Berlin, Germany.

Conference topics include:

Particle & Surface Characterization

- Particle size distribution of nano- and microparticles
- Hansen Dispersibility Parameter / Hansen Solubility Parameter
- Particle density distribution
- Particle surface characterization

Real-time & Accelerated Stability

- Direct accelerated stability testing of dispersions
- Real-time separation in emulsions and suspensions
- Comparative and predictive shelf life for dispersions (ISO/TR 13097)
- Stability testing of cosmetic products (ISO/TR 18811)

Materials Testing

- Tensile testing
- Shear testing
- Characterization of coatings
- Characterization of composite materials
- Mechanical strength

Processing

- Separation of particles in industrial processes
- Characterization of dispersibility and filterability
- Shear and compressive yield stress
- Up- and downstream processing

Young Scientist Award 2019



The Young Scientist Award 2019 LUM again broadens its support and commitment in promoting young researchers from universities and academic institutions all across the globe.

The candidates will be announced by 31 January 2019. Their abstracts will be uploaded to www.Dispersion-Letters.com. The jury will present the laureate in Berlin. She or he will be given the opportunity to submit an article to Dispersion Letters.

Confirmed lectures:

Keynote lecture, *Wolfgang Peukert, Institute of Mechanical Process Engineering of the Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany*

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, Japan*

Accelerated galenic stability measurement of cosmetic formulations,

Richard Lehmann Bio-Chemisches Laboratorium Dr. Lehmann GmbH & Co. KG, Germany

Incorporation of centrifugal and particle-particle DLVO forces into simulations of dispersion sedimentation and validation with LUMiSizer data, *Timothy Hunter, Chemical & Nuclear Engineering School, University of Leeds, UK*

In-field stability of ferrofluids for the magnetic density separation of plastic waste,

Ben Erné, Van 't Hoff Lab for Physical and Colloid Chem., Debye Inst. for Nano Materials Science, Netherlands

Microcontact Printing of Patchy Silica Particles using the LUMiFrac, *Marc Zimmermann, Fraunhofer-Institut für Angewandte Polymerforschung, Germany*

Centrifugal Force meets Materials Testing – Analytical Centrifuge as Multipurpose Tool for Tensile and Compressive Testing, *Uwe Beck, Bundesanstalt für Materialforschung und –prüfung (BAM), Germany*

Recent advancement in food colloids research using LUMiSizer, *Supratim Ghosh, University of Saskatchewan, Canada*

Simultaneous Determination of Protein Charge and Mass via Analytical Ultra-Centrifugation, *Albert P. Philipse, Van 't Hoff Lab for Physical and Colloid Chem., Debye Inst. for Nano Materials Science, Netherlands*

Use Of LUMiFuge During Product And Process Development Of Silicone Formulations, *Holger Rautscheck, Wacker Chemie AG*

Sedimentation-Analysis for Pigment Application: Optimisation of LUMiReader X-Ray Analysis of Highly Filled TiO₂-Dispersions, *Thomas Koch, KRONOS INTERNATIONAL, Germany*

Stability prediction of wax-containing inkjet ink by LUMiSizer, *Yubai Bi, HP Inc., USA*

Rapid Stability Prediction Methods for Consumer Products, *Stanislav Jaracz, Colgate Palmolive, USA*

Preparation and Characterisation of Pickering Nanoemulsions, *Steven Armes, Department of Chemistry, University of Sheffield, UK*

Topic from cosmetics area, *Andrea Kargerová, Brno University of Technology, Czech Republic*

Stability and structure of water-in-water emulsion probed by STEP-Technology™ *Lazhar Benyahia, Le Mans Université, France*

Practical Aspects of LUMiFuge Application in Food Industry, *Anna Kuzmicheva | PepsiCo Int'l, Russia*

Liquid ElectroPhotography Ink Mobility Sensor Cell Using LUM's LUMireader Separation Analyzer, *Matan Schneider, Itamar Gofberg, HP Indigo Ltd, Israel*

Pre-liminary

Schedule

Wednesday 22 May:

09:00 Get together and registration

10:00 Conference opening

Prof. Dr. Dietmar Lerche, Scientific Conference Chair, Germany

10:30 Keynote lecture

Prof. Dr. Wolfgang Peukert, Institute of Mechanical Process Engineering of the Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

11:30 - 13:00 Session I

13:00 Lunch Break

14:00 - 17:30 Session II

17:30 End of conference programme

18:15 Departure from hotel & Social event

Thursday 23 May:

08:30 Young Scientist Session 2019

11:15 - 12:15 Session III

12:15 Lunch Break

13:30 - 15:30 Session IV

15:30 Visit of Exhibition & Coffee break

16:00 - 18:00 Session V

18:00 End of conference

Registration

Deadline for registration is **May 12, 2019**. Registration by email to event@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	Title, First Name, Surname
Email	Email
Phone	Phone
Company/Institution	Company/Institution
Department	Department
Street or PO Box	Street or PO Box
Place and Postcode	Place and Postcode
Country	VAT Code
	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 2019
- I agree that my e-mail address may be distributed after the Conference 2019 on a shared email list of all participants.

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



Prices

May 22-23, 2019

Two days including evening event:

Registration fee
545.00€*

Cancellation fee after May 12, 2019 100%. A substitute is welcome.
* net per person, VAT not included

ABACUS Tierpark Hotel Berlin:

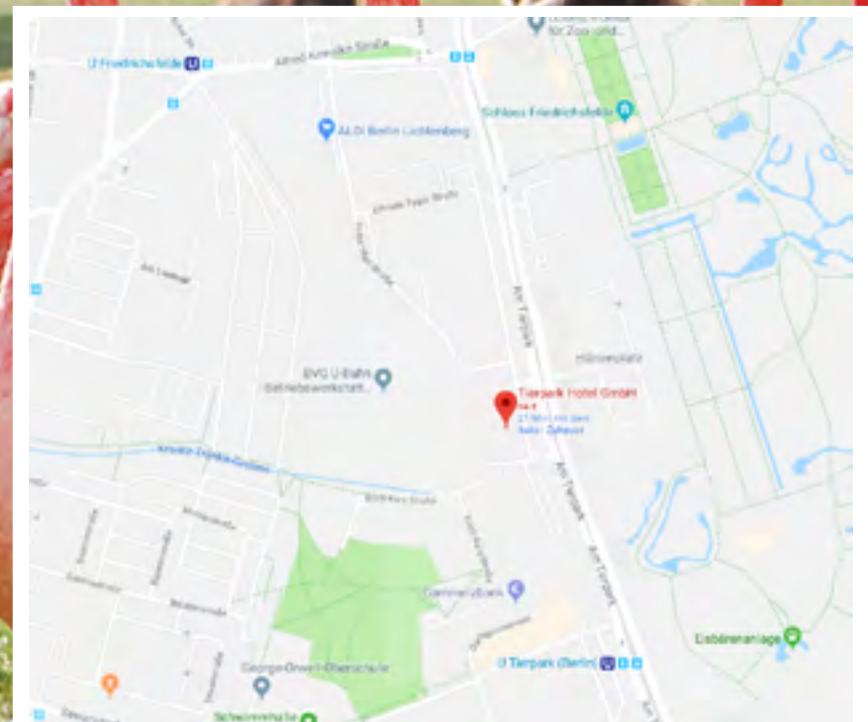
Till April 1 2019 use our booking code
LUM Conference
via reservation@abacus-hotel.de

Special LUM rate:

81€ Single room
111€ Double room
13€ breakfast per person per night

Conference location

The conference is located at
ABACUS Tierpark Hotel Berlin
Franz-Mett-Straße 3 -9
10319 Berlin
<https://abacus-hotel.de/>



Air

- Berlin Schönefeld Airport (SXF) 52 minutes by public transport (S-Bahn/bus)
 - Berlin-Tegel (TXL) 55 minutes by public transport (S-Bahn/bus)
- Public Transport
- S-Bahn S9, S8 and U5 from Schönefeld
 - Bus TXL, S41, U5 from Tegel