



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

# International Conference Dispersion Analysis & Materials Testing 2019

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

Online registration at <https://conference2019.lum-gmbh.com>  
Find out more at [www.dispersion-letters.com](http://www.dispersion-letters.com)



# First call for papers Scientific Conference

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

The conference organizer invites all world-wide LUM instrument users to present their strategies and results in the scientific and industrial use of LUMiSizer®, LUMiFuge®, LUMiReader® PSA, LUMiReader® X-Ray and LUMiFrac® in the frame of an oral presentation.

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

Further topics related to LUM instrument use very much are welcome. Kindly send your abstract for an oral presentation in English as MS word file by email to [event@lum-gmbh.de](mailto:event@lum-gmbh.de) (download stylesheet: <https://goo.gl/aTVwqS>)  
**Deadline for abstract submission is 15 December 2018. Notification will be given by 31 January 2019. All abstracts will be published on [www.dispersion-letters.com](http://www.dispersion-letters.com).**

*Presenting authors are granted the conference participation free of charge.*

# Call for LUM Young Scientist Award 2019



With calling for papers for 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 submissions of relevant scientific results to the organizing committee of the conference are hereby strongly encouraged.

To qualify, any applicant must meet the following conditions:

- Experimental results that advance the understanding of the general scientific community in the analysis of dispersions/ particles respectively in materials testing were obtained by using LUM instruments (no longer than two years after graduation).
- The scientific significance of the results is met by submitting a peer reviewed publication, a Bachelor, Master or PhD thesis as copy, or, in case of unpublished results, a detailed description of work.
- Applicants provide a two-page abstract and a detailed curriculum vitae, along with a letter of recommendation by the supervisor.

Please download the stylesheet for your abstract at <https://goo.gl/aTVwqS>. Kindly submit all documents by email to [event@lum-gmbh.de](mailto:event@lum-gmbh.de), keyword „LUMYSA 2019“.  
**The deadline for LUM Young Scientist Award 2019 applications expires on 15 December 2018.**

A jury will nominate three candidates to present their results during the International Conference, including a free registration. The candidates will be announced by **31 January 2019**. Their abstracts will be uploaded to [www.Dispersion-Letters.com](http://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.

The LUM Young Scientist Award 2019 also includes a two night accommodation in Berlin and a prize money of 1,000 Euros.

# Registration

Deadline for registration is **May 12, 2019**. Registration by email to [event@lum-gmbh.de](mailto: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

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 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€\*

Early Bird Discount (25%) till January 31 2019:  
408.00€\*

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

Prices for 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

# Preliminary schedule

## Confirmed lectures:

- Keynote lecture, *Wolfgang Peukert, Institute of Mechanical Process Engineering of the Friedrich-Alexander-Universität Erlangen-Nürnberg*  
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 Ern , 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 f r Angewandte Polymerforschung, Germany*  
Centrifugal Force meets Materials Testing – Analytical Centrifuge as Multipurpose Tool for Tensile and Compressive Testing, *Uwe Beck, Bundesanstalt f r Materialforschung und –pr fung (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*  
On-line and Off-line characterisation of milling process of pigment suspensions, *Andr  Nogowski, SKZ/European Centre for Dispersion Technologies, Germany*  
Title forthcoming, *Steven Armes, Department of Chemistry, University of Sheffield, UK*  
Title forthcoming, *Lazhar Benyahia, Le Mans Universit , France*  
Title forthcoming, *Miloslav Pekar, Brno University of Technology, Czech Republic*

## Preliminary Schedule:

### Wednesday 22 May 2019

09:00 Get together & Registration  
10:00 Conference Opening/Keynote lecture  
Conference sessions (details coming soon!)  
Social event in the evening

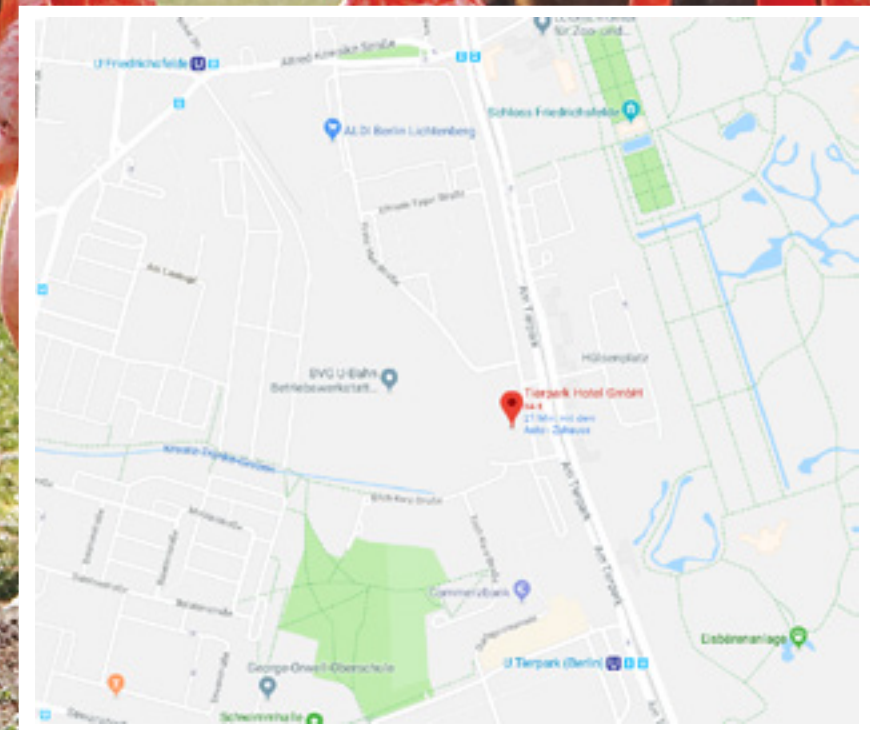
### Thursday 23 May 2019

Conference sessions (details coming soon!)

# Conference location

The conference is located at  
ABACUS Tierpark Hotel Berlin  
Franz-Mett-Straße 3 -9  
10319 Berlin  
<https://abacus-hotel.de/>  
(use our booking code  
*LUM Conference* via  
[reservation@abacus-hotel.de](mailto:reservation@abacus-hotel.de))

Till April 1 2019: 81 EUR Single room / 111 EUR Double room  
+13 EUR breakfast per person per night



## 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