



SAVE THE DATE



Kompetenzzentrum
Ultrapräzise
Oberflächen-
bearbeitung e.V.

Exhibition 2022

Key Dates

Organizational Details

15 – 17 March 2022

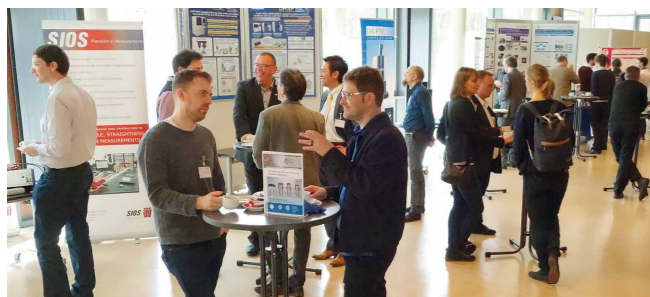


Image source: PTB

The popular exhibition of participating companies will take place again at our upcoming conference. Would you like to present your company? Then please register with us as soon as possible!

Measurement Schedule	Dates
Application for measurements	Open
Start of measurements	1 July 2021
Deadline for submission of author and title	30 October 2021
Deadline for performing measurements	15 December 2021
Deadline to submit your measured data for comparison	2 weeks after the end of your measurement period

Deadlines for Non-Measurement Contributions

Abstracts	30 October 2021
Registration for Industrial Exhibition	1 March 2022

Exhibition stands are assigned according to the principle: first come first serve.

Participation Schedule

Registration start	1 July 2021
Registration deadline	1 March 2022

Date	15 – 17 March 2022
Language	English
Registration	By letter, fax or e-mail using the registration form available at www.upob.de . You will receive a confirmation.
Accommodation	www.upob.de/Veranstaltungen
Attendance fee	
Lecturers	€ 225 (1 st person)
Members	€ 225
Non-members	€ 625
Please pay in advance after you have received the invoice.	

12th High-Level Expert Meeting Asphere Metrology on Joint Investigations

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15 – 17 March 2022
at Physikalisch-Technische Bundesanstalt
Germany or Online

Programme Committee

Jean-Michel Asfour; Dioptic GmbH,
Andreas Beutler; Mahr GmbH
Ines Fortmeier; PTB
Thomas Franz; NTG GmbH & Co. KG
Frank Löffler; CC UPOB e.V.
Rudolf Meeß; CC UPOB e.V.
Oltmann Riemer; University of Bremen LFM
Michael Schulz; PTB

Contact

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**CALL FOR MEASUREMENTS
AND CONTRIBUTIONS**

12th High-Level Expert Meeting Asphere Metrology on Joint Investigations

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*Promotion of Young
Scientists within the
Field of Ultra-Precise
Surface Engineering*



Background

Thanks to the high-quality HLEM measurement comparisons as well as the excellent professional exchange among experts, asphere measurement technology has become more and more comparable and precise. A great added value even for top manufacturers of measurement technology, who were able to achieve further progress despite the high level. Measurement technology users have learned a great deal about the various systems and their potential and benefited greatly from our series of events.

We will continue to meet this high standard at our next High Level Expert Meeting (HLEM). In addition to the important measurement comparisons that take place prior to the event, new accompanying topics such as the coating of lenses and optical surfaces are planned. The award of the 4th Young Scientist Award (YSA) and an exhibition of the participating companies will round off the program.

Would you like to...

- ... **participate in the measurements?**
- ... **give a lecture on the planned topics?**
- ... **present your institution at the company exhibition?**

Topics

Main Topic:




- Presentation of the round robin results

Additional Topics:

- New developments in measuring techniques for aspherical, free-form and cylindrical lenses
- Coating of lenses and optical surfaces
- Manufacturing and measurement of metal optics
- Measurement of unmounted aspheres
- Inner centration of aspheres
- Other topics related to asphere and free-form metrology or production

Authors who intend to give a presentation should specify the title and the topic from the list above and submit a 200-word abstract in English. Institutions interested in participating in the measurements should contact us soon to schedule a measurement time.

Lenses

#3.3	Asphere – Metal Optics HLEM 2021/22 – sample #3 part 3 provided by LT Ultra	
#5.1	Precision Cylinder HLEM 2018/19/21/22 – sample #5 part 1 provided by Berliner Glas	
#6.1	Convex Toroid HLEM 2018/19/21/22 – sample #6 part 1 provided by Physikalisch-Technische Bundesanstalt marker manufactured by NTG	
#9.1	Double-sided Asphere HLEM 2021/22 - sample #9 part 1 aspherical/spherical surface for determining inner centration, provided by Asphericon	

Invitation to Tender

Please Apply!

As a young scientist (up to age 30), you can present your work to an interested expert audience within the scope of this year's HLEM. Each selected participant will be invited to attend the HLEM free of charge. At the HLEM, you will present your work in the plenum during a poster session with a 5-minute slide presentation in front of international experts from science and industry.

Please Apply to Present on the Following Topics:

The best works will be awarded with prizes of
€ 1000, € 500 and € 250

Precision procedures such as MRF, SPDT, IBF, etc.; approaches for additive manufacturing for optical products; cleaning and multiple-layer coating; metrology and data analysis in production lines for aspheres and freeforms; ultra-flatness; diffraction bases; nanostructures.

Please Submit Your Abstract in English (250 words), including a passport picture, by 16 January 2022 to Mr. Klawitter at the UPOB Office (info@upob.de). You will receive a reply by February 2022. Legal action is excluded.

PLEASE REGISTER NOW!

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AND CONTRIBUTIONS**