



SAVE THE DATE



Kompetenzzentrum  
Ultrapräzise  
Oberflächen-  
bearbeitung e.V.

### Exhibition 2023

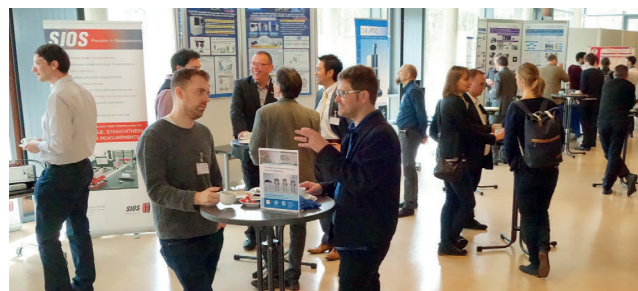


Image source: PTB

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!

### Key Dates

Measurement Schedule	Dates
Application for measurements	Open
Start of measurements	1 August 2022
Deadline for submission of author and title	30 September 2022
Deadline for performing measurements	15 December 2022
Deadline to submit your measured data for comparison	2 weeks after the end of your measurement period
Deadlines for Non-Measurement Contributions	
Abstracts	30 September 2022
Registration for Industrial Exhibition	1 February 2023
Exhibition stands are assigned according to the principle: first come first serve.	
Participation Schedule	
Registration start	1 August 2022
Registration deadline	1 March 2023

### Organizational Details

Date	28 - 29 March 2023
Language	English
Registration	By letter, fax or e-mail using the registration form available at <a href="http://www.upob.de">www.upob.de</a> . You will receive a confirmation.
Accommodation	<a href="http://www.upob.de/Veranstaltungen">www.upob.de/Veranstaltungen</a>
Attendance fee	
Lecturers	€ 250 (1 <sup>st</sup> person)
Members	€ 250
Non-members	€ 650
Please pay in advance after you have received the invoice.	

## 13<sup>th</sup> High-Level Expert Meeting Asphere Metrology on Joint Investigations

28 - 29 March 2023, Buderus Arena, Wetzlar



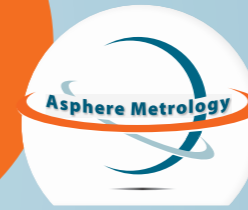
**CALL FOR MEASUREMENTS AND CONTRIBUTIONS**

### 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; Leibniz-Institut IWT  
Michael Schulz; PTB

### Contact

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### Background

Our series of High-Level Expert Meetings (HLEM) has cultivated excellent exchanges between experts in aspheric metrology for more than a decade. We have always been very proud to welcome academia and leading manufacturers of measurement devices as driving forces in all our events. They have shared progress on a high scientific level. Asphere metrology has become more comparable and precise with all their input. In addition, the metrology user has been able to learn about various measurement systems and their potential and thus has benefited from our series of events too.

We will continue to meet this high standard with our next HLEM in 2023. The very important round-robin measurements will place in the run-up to the event with 5 lenses. In addition, as accompanying topics are planned this time:

- Measurement of small optics, e.g. for endoscopes and mobile phones,
- Inner centration of aspheres,
- Measurement of unmounted aspheres,
- Developments in measuring techniques for aspherical, free-form and cylindrical lenses.

Your contributions are very welcome!

The 5<sup>th</sup> Young Scientist Award (YSA) and our popular exhibition area of 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?
- get one of the awards?

Please register and feel free to contact us!

### Topics

#### Main Topic:

- Measurement of small lenses
- Presentation of the round robin results

#### Additional Topics:

- New developments in measuring techniques for aspherical, free-form and cylindrical lenses
- Measurement of unmounted aspheres
- Measurement of endoscope optics
- Measurement of mobile phone optics
- 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.

**CALL FOR MEASUREMENTS  
AND CONTRIBUTIONS**

### Lenses

#2.1	<b>Asphere Steep - 15 mm</b> HLEM 2018/2023 - Sample #2 Part 1 provided by Asphericon marker manufactured by NTG	
#10.1	<b>Double-Sided Asphere Concave - 28 mm</b> HLEM 2023 - Sample #10 Part 1 provided by Leica Camera marker manufactured by NTG	
#11.1	<b>Asphere Metal Mould Insert - 4,6 mm</b> HLEM 2023 - Sample #11 Part 1 provided by Innolite marker manufactured by NTG	
#12.1	<b>Aspheric Lens - 10 mm</b> HLEM 2023 - Sample #12 Part 1 marker manufactured by NTG	
#13.1	<b>Double-Sided Asphere Convex - 25 mm</b> HLEM 2023 - Sample #13 Part 1 provided by Edmund Optics marker manufactured by NTG for determining inner centration	

### 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.

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

#### Please Apply to Present on the Following Topics:

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 15 January 2023 to Mr. Klawitter at the UPOB Office (info@upob.de). You will receive a reply by February 2023. Legal action is excluded.