

**CALL FOR MEASUREMENTS
AND CONTRIBUTIONS**



Kompetenzzentrum
Ultrapräzise
Oberflächen-
bearbeitung e.V.

Key Dates

Measurements & Meeting:

- Start of Measurements: 3 April 2017
- Application for Measurements:
is Opened
- Abstract Deadline
„None Measurement Contributions“:
31 November 2017
- Deadline for Performing Measurements:
30 October 2017
- Deadline for Submission of Author & Title:
15 December 2017

Exhibition:

- Deadline Registration for Industrial Exhibition:
31 January 2018

Participation:

- Start Registration: Registration Starts Autum 2017
- Deadline Registration: 12 February 2018

Programme Committee

Jean-Michel Asfour; Dioptic GmbH
Andreas Beutler; Mahr GmbH
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

Organizational Details

Date: 28 February – 1 March 2018

Language: English

Registration: Please register by letter, fax or e-mail
using the registration form available at www.upob.de.
Following this you will receive a confirmation.

Attendance fee

Lecturers: € 150 (1 person)

Members: € 150

Non-members: € 525

Please pay in advance after receiving the invoice.

Accommodation: For more information,
please visit www.upob.de/Veranstaltungen.

Get2gether: 27 February 2018

Conference Dinner: 28 February 2018
Further information can be found on our website.

Conference Location: For more information,
please visit www.upob.de/Veranstaltungen.

Contact

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9th High Level Expert Meeting Asphere Metrology on Joint Investigations



28 February – 1 March, 2018
at Physikalisch-Technische Bundesanstalt
Germany

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9th High Level Expert Meeting Asphere Metrology on Joint Investigations



Background

High Level Expert Meetings (HLEM) and workshops, developers, manufacturers and users have confirmed the great interest in asphere metrology. Both the introduced measurement systems as well as the results of round robin comparison measurements show the enormous potential of this field of technology. In addition, a great need for comparability, standardization and proximity to users was also pointed out.



Our upcoming 9th HLEM 2018 is dedicated to the presentation of measurement results of current lenses, discussion and dissemination

of new developments and recent scientific results in asphere and free form metrology for reflective and transmissive surfaces. With this broader scope we aim to supplement our previous events while also addressing asphere and free form metrology to interested scientists, developers and manufacturers.

Topics

Main Topics will be the presentation of the results of the newly produced samples. In addition to presentation on measurements also following **topics of interest** are:

- New developments in measuring techniques for aspherical, free form and cylindrical lenses
- Measurements of small precision optics (as used for endoscopy, mobiles, sensors ...)
- In situ-measurements in complex UP processing lines for aspherical or freeform surfaces
- Clamping technologies for measurements in aspherical lens production
- Standardization in the description of aspheres and freeform surfaces
- Measurements of aspherical surfaces of moulding tools for glass and plastic lenses
- The influence of coatings on the measurement of aspheric and freeform lenses
- 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 together with a 200 word abstract in English. Institutions who are interested to join with measurements should give a feedback soon to schedule the measurement time.

Lenses

1	Aspheric cylinder (UPOB-internal No. 18) Made possible by asphericon GmbH, Germany	
2	Microoptics (UPOB-internal No. 19) Made possible by asphericon GmbH, Germany	
3	Asphere (UPOB-internal No. 20) Made possible by asphericon GmbH, Germany	
4	4th order polynomial freeform Made possible by Leibnitz Institut für Oberflächenmodifizierung (IOM) Germany	
5	Cylinder Optic Made possible by Berliner Glas, Germany	
6	Paraboloid / Toroid	

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