### Measurement Schedule

<table>
<thead>
<tr>
<th>Dates</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 July 2019</td>
<td>Start of measurements</td>
</tr>
<tr>
<td>31 October 2019</td>
<td>Deadline for submission of author and title</td>
</tr>
<tr>
<td>15 January 2020</td>
<td>Deadline for performing measurements</td>
</tr>
<tr>
<td>2 weeks after the end of your measurement period</td>
<td>Deadline to submit your measured data for comparison</td>
</tr>
</tbody>
</table>

#### Deadlines for Non-Measurement Contributions

<table>
<thead>
<tr>
<th>Deadlines for Non-Measurement Contributions</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstracts</td>
<td>31 October 2019</td>
</tr>
<tr>
<td>Registration for Industrial Exhibition</td>
<td>14 February 2020</td>
</tr>
</tbody>
</table>

The places are assigned according to the principle: first come first serve.

### Participation Schedule

<table>
<thead>
<tr>
<th>Dates</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Autumn 2019</td>
<td>Registration Start</td>
</tr>
<tr>
<td>3 March 2020</td>
<td>Registration Deadline</td>
</tr>
</tbody>
</table>

YSA 2020

We are offering the Young Scientist Award for the third time in 2020. Young scientists (up to age 30) within the field of ultra-precise surface engineering will present their work in the plenum with a 5-minute slide presentation and during a poster session.

**Vote Your Young Scientist 2020!**

Who was the best? After the poster sessions it is up to you: elect the candidate of your choice! The award ceremony will take place during this year’s HLEM.

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**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 Meef; CC UPOB e.V.
Oltmann Riemer; University of Bremen LFM
Michael Schultz; PTB

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**Contact**

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www.upob.de

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**Dependence fee**

- Lecturers: € 175 (1 person)
- Members: € 175
- Non-members: € 575

Please pay in advance after you have received the invoice.

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**Language**

- English

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**Registration**

- by letter, fax or e-mail using the registration form available at www.upob.de. You will receive a confirmation notice.

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**Accommodation**

- www.upob.de/Veranstaltungen

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**Conference Dinner**

- 18 March 2020

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**Conference Location**

- www.upob.de/Veranstaltungen

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**Summary of the Programme**

**11th High-Level Expert Meeting**

**Asphere Metrology on Joint Investigations**

**Date**

- 17 – 19 March 2020

**Contact**

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Bundesallee 100 38116 Braunschweig Germany
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In the field of asphere metrology, many new advancements were achieved, new measurement procedures were developed and precision was noticeably improved. Especially the measurement of optical elements with the highest accuracy is anything but trivial. Hence, only the best manufacturers of measurement technology manage to meet this high standard.

In addition to accuracy, the comparability of the measurement results of different systems and manufacturers is very important. Therefore, the participants of our 11th HLEM will again measure selected aspheres and free-form surfaces, present the results and demonstrate the potential as well as the further development of their measurement devices during the conference. The comparison of the results from all participants, contributions on complementary topics, awarding the 3rd Young Scientist Award and an exhibition of the participating companies round out the programme.

**Background**

**Programme Next Day**

**Coffee Break, Technical Exhibition & YSA Poster Session**

**9:00** Welcome Coffee, Technical Exhibition & YSA Poster Session

**9:30** Opening

**Coffee Break, Technical Exhibition & YSA Poster Session**

**10:00** Additional Topics

**10:30** Optichology

**11:00** Measurement Accuracy for Asphere Testing and Optical Metrology Challenges in the Context of the ELT Programme

**11:30** Session Different Measuring Techniques

**12:30** Summary and Closing

**12:45** Conference Dinner in Local Restaurant

**Programme 18 March 2020**

**Coffee Break, Technical Exhibition & YSA Poster Session**

**9:00** Welcome Coffee, Technical Exhibition & YSA Poster Session

**9:30** Opening

**Coffee Break, Technical Exhibition & YSA Poster Session**

**10:00** Additional Topics

**10:30** Optical Metrology Challenges in the Context of the ELT Programme

**11:00** Measurement Accuracy for Asphere Testing and Optical Metrology Challenges in the Context of the ELT Programme

**11:30** Session Different Measuring Techniques

**12:30** Summary and Closing

**12:45** Conference Dinner in Local Restaurant

**Programme 19 March 2020**

**Session Additional Topics**

**Form Characterization using Low Coherence Reflection**

**Shearing Interferometry**

**Marek Stašík, TOPTEC, Czech Republic**

**Non-Contact 3D Form Measurement of Complex Optics**

**Jan Kredba, TOPTEC, Czech Republic**

**17:30** Absolute Interferometry for Asphere Metrology

**Jan Kredba, TOPTEC, Czech Republic**

**Absolute Interferometry for Asphere Metrology**

**19:00** Conference Dinner in Local Restaurant

After each lecture is the opportunity for a short discussion. Please visit www.upob.de, you will receive detailed information about each session as well as last minute information relating this event.