# 7th High Level Expert Meeting 2015
## Asphere Metrology On Joint Investigations
### Detailed Programme

**1st Day**
**Tuesday, 17 March 2015 / Morning**
**Chair:** Gunter Schneider; Schneider GmbH & Co. KG; Germany

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Registration</td>
</tr>
<tr>
<td>10:00</td>
<td>Conference Opening and Overview</td>
</tr>
<tr>
<td></td>
<td>Frank Löffler; CC UPOB e.V.; Germany</td>
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<tr>
<td>10:05</td>
<td>Review of Measurement Methods and Results</td>
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<tr>
<td></td>
<td>Michael Schulz; PTB; Germany</td>
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<tr>
<td>10:35</td>
<td><strong>Session – Single Point Measurement</strong></td>
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<tr>
<td></td>
<td>Asphere/Freeform Metrology and Round Robin Result by UA3P;</td>
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<tr>
<td></td>
<td>Keishi Kubo; Panasonic Production Engineering Co., Ltd.; Japan</td>
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<tr>
<td>11:15</td>
<td>Coffee Break, Networking and Table Top Presentations</td>
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<tr>
<td>11:45</td>
<td>Asphere Measurements Using the Isara 400 CMM;</td>
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<td>Ivo Widdershoven; IBS Precision Engineering; The Netherlands</td>
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<tr>
<td>12:25</td>
<td>Non-contact 3D form measurement of aspheres including decenter and wedge error determination;</td>
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<td></td>
<td>Gernot Berger; Luphos GmbH; Germany</td>
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<tr>
<td>13:05</td>
<td>Lunch Break, Networking and Table Top Presentations</td>
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</tbody>
</table>

**1st Day**
**Tuesday, 17 March 2015 / Afternoon**
**Chair:** Jean-Michel Asfour; Dioptic GmbH; Germany

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13:05</td>
<td>Conference Dinner</td>
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<tr>
<td>14:10</td>
<td>Non-Contact and Contact 3D Profilometry and Tilted Wave Interferometry in Direct Comparison</td>
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<tr>
<td></td>
<td>Andreas Beutler; Mahr GmbH; Germany</td>
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<tr>
<td>14:50</td>
<td><strong>Session – Theoretical Contributions</strong></td>
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<tr>
<td></td>
<td>Measurement and Calibration Methods for Cylindrical Optics;</td>
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<td></td>
<td>Jan-Peter Richters; Berliner Glas KGaA; Germany</td>
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<tr>
<td>15:20</td>
<td>Coffee Break, Networking and Table Top Presentations</td>
</tr>
<tr>
<td>15:50</td>
<td>Simulations for Optical Metrology at PTB</td>
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<tr>
<td></td>
<td>Ines Fortmeier; PTB; Germany</td>
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<tr>
<td>16:00</td>
<td>Measuring Position and Figure Deviation with Computer Generated Holograms;</td>
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<tr>
<td></td>
<td>Matthias Beier; Fraunhofer IOF; Germany</td>
</tr>
<tr>
<td>16:50</td>
<td>Closing</td>
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As of 5 March 2015
# 7th High Level Expert Meeting 2015

**Asphere Metrology On Joint Investigations**

**Detailed Programme**

**2nd Day**

**Wednesday, 18 March 2015 / Morning**

Chair: Andreas Beutler; Mahr GmbH; Germany

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Opening</td>
</tr>
<tr>
<td>9:05</td>
<td><strong>Session – Interferometry and CGH- Measurements</strong></td>
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<tr>
<td></td>
<td>HLEM Round Robin Asphere Test 2015 at the</td>
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<tr>
<td></td>
<td>Deggendorf Institute of Technology</td>
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<td></td>
<td>Johannes Liebl;</td>
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<tr>
<td></td>
<td>Deggendorf Institute of Technology – Technologiecampus Teisnach; Germany</td>
</tr>
<tr>
<td>9:45</td>
<td>Measurement Results of the Tilted-Wave-Interferometer;</td>
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<td></td>
<td>Goran Baer; Institut für Technische Optik, University of Stuttgart; Germany</td>
</tr>
<tr>
<td>10:25</td>
<td>Coffee Break, Networking and Table Top Presentations</td>
</tr>
<tr>
<td>10:55</td>
<td><strong>Session – Deflectometry / Raytracing</strong></td>
</tr>
<tr>
<td></td>
<td>Requirements for Deflectometry on Aspheres;</td>
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<tr>
<td></td>
<td>Jan Burke; Bremer Institut für angewandte Strahltechnik GmbH; Germany</td>
</tr>
<tr>
<td>11:10</td>
<td>Measurement of Aspheric Surface Profiles Using Scanning</td>
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<tr>
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<td>Deflectometry; Iris Erichsen; Trioptics GmbH; Germany</td>
</tr>
<tr>
<td>11:50</td>
<td>Evaluation and Discussion of the Intercomparison</td>
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<tr>
<td></td>
<td>Gernot Blobel; PTB; Germany</td>
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<tr>
<td>12:30</td>
<td>Discussion and Outlook</td>
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<tr>
<td></td>
<td>Michael Schulz; PTB and Frank Löfler; CC UPOB e.V.; Germany</td>
</tr>
<tr>
<td>13:10</td>
<td>Conference Closing</td>
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**2nd Day**

**Wednesday, 18 March 2015 / Afternoon**

Lunch and Afterwards Departure of the Guests

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As of 5 March 2015