



10th Workshop 2016 - Asphere Metrology

Detailed Programme

1st Day	Tuesday, 8 March 2016 / Morning Chair: Jean-Michel Asfour; Dioptric GmbH; Germany
10:30	Arrival / Early Registration
11:00	Company Tour 1 Visit of Physikalisch-Technische Bundesanstalt- (PTB) Laboratories Part I: Overview PTB Activities Part II: Atomic Clocks Part III: Mechanics and Acoustics
12:30	Registration, Lunch and Table Top Presentations
13:30	Conference Opening and Overview Frank Löffler; CC UPOB e.V.; Germany Session – Related Topics and Additional Contributions
13:40	The Envisaged New SI: Contributions from Precision Manufacturing and Dimensional Metrology Harald Bosse; Physikalisch-Technische Bundesanstalt; Germany

1st Day	Tuesday, 8 March 2016 / Afternoon Chair: Jean-Michel Asfour; Dioptric GmbH; Germany
14:10	Session – Measurements Asphere Round Robin Result by UA3P-650HD Tomofumi Morishita; UA3P Development Team Panasonic Production Engineering Co.,Ltd.; Japan
14:40	Measurements with the Tilted Wave Interferometer Alexander Bielke; Institut für Technische Optik (ITO) - University Stuttgart; Germany
15:10	Coffee Break and Table Top Presentations
15:40	Point Measuring Methods and Interferometry Based Systems in Comparison; Andreas Beutler; Mahr GmbH; Germany
16:10	Measurement Results with a Twyman-Green Interferometer of the HLEM Round Robin Asphere Test 2016 Thomas Blümel; TRIOPTICS Berlin GmbH; Germany
16:40	Line Scanning Interferometry in Combination with a Sticking Procedure for Asphere Metrology Sören Laubach; Physikalisch-Technische Bundesanstalt; Germany
17:10	Closing
19:00	Get Together



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2nd Day Wednesday, 9 March 2016 / **Morning**

Chair: Oltmann Riemer; University of Bremen LFM; Germany

9:00 Opening

9:05 Intercomparison of Measurement Results
Reyko Schachtschneider; Physikalisch-Technische Bundesanstalt; Germany

Session – Freeform-Surface-Measurements

10:05 Interferometric Metrology of Freeform Aspheres Using CGHs
Frank Weidner; Dioptic GmbH; Germany

10:45 Coffee Break and Table Top Presentations

11:15 Potentials and Limitations to Measure Freeforms with Different Systems
Andreas Beutler; Mahr GmbH; Germany

11:45 Proof of Concept for Manufacturing and Measuring of Freeforms
Sven R. Kiontke; Asphericon GmbH; Germany

12:15 Metrological Freeform Artefact
Gernot Blobel; Physikalisch-Technische Bundesanstalt; Germany

12:35 FreeFORM – The New European Asphere Metrology Project
Michael Schulz; Physikalisch-Technische Bundesanstalt; Germany

12:55 Summary and Outlook
Michael Schulz; Physikalisch-Technische Bundesanstalt; Germany

13:10 **Conference Closing**

Lunch and Table Top Presentations

2nd Day Wednesday, 9 March 2016 / **Afternoon**

Chair: Oltmann Riemer; University of Bremen LFM; Germany

Lunch and Table Top Presentations

Company Tour 2
Visit of Physikalisch-Technische Bundesanstalt- Laboratories

13:45 **Visit I:** Department: Scientific Instrumentation
Or
Visit II: Working Group: Form and Wavefront Metrology

15:00 Departure