



10 HLEM 2019 - ASPHERE METROLOGY DETAILED PROGRAMME

preliminary

Version 5 - as of 11 January 2019

DAY -1	Monday, 18 March 2019	Evening
Start: 18:30	Get Together In LOCAL RESTAURANT	
	<u>Recommended Accomodation</u> Best Western City Hotel, Hotel Deutsches Haus, Hotel Fürstenhof, Mercure Atrium Hotel, Vienna House Easy Braunschweig	

DAY 1	Tuesday, 19 March 2019 <i>Chair: Oltmann Riemer; Leibniz-Institut für Werkstofforientierte Technologien - IWT; Germany</i>	Morning
8:45	Arrival, Registration, Welcome Coffee	
9:30	Welcome to HLEM 2019 - Conference Opening, Overview and Outlook <i>Frank Löffler; CC UPOB e.V.; Germany</i>	
9:45	YSA 2019 – Young Scientist Award 2019 Introduction and Short Lectures of Nominated Young Scientists from Ultra-Precision Surface Engineering <i>Moderation by NN; Institution NN; Country NN and Nominated Speakers from Different Institutions</i>	
10:15	Introduction to HLEM 2019 – Short Overview on Samples and Background of Measurements <i>Jean-Michel Asfour; DIOPTIC GmbH; Germany; and David Schäfer, NTG GmbH & Co. KG; Gelnhausen</i>	



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DAY 1	Tuesday, 19 March 2019 Session - Additional Topics <i>Chair: Oltmann Riemer;</i> <i>Leibniz-Institut für Werkstofforientierte Technologien - IWT;</i> <i>Germany</i>	Morning
10:30	Clamping System for Optical Components for Adaptation in Optics Production <i>Sebastian Sitzberger; Technische Hochschule Deggendorf; Germany</i>	
11:00	Coffee Break, Technical Exhibition and YSA Poster Session	
11:45	Absolute Hartmann Type Wavefront Metrology <i>Jean-Michel Asfour; DIOPTIC GmbH; Germany</i>	
12:10	Measuring Aspherical Focusing Mirrors for Application in the VUV/XUV-and Hard-X-ray Range a Comparison <i>Frank Siewert; Helmholtz Zentrum Berlin; Germany</i>	
12:35	Fast and Reliable In-Situ Measurement of Large and Complex Surfaces Using a Novel Deflectometric Device <i>Ronald Kometer; Hofbauer-Optik, Mess- und Prüftechnik; Germany</i>	
13:00	Lunch and Coffee Break, Technical Exhibition and YSA Poster Session	



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DAY 1	Tuesday, 19 March 2019 Session - Additional Topics <i>Chair: Jean-Michel Asfour; DIOPTIC GmbH; Germany</i>	Afternoon
13:00	Lunch and Coffee Break, Technical Exhibition and YSA Poster Session	
14:00	NPMM200 – An Open Research Facility for Sensor Calibration on Nanometer Level <i>Christof Pruss; ITO - University Stuttgart, Germany</i>	
	Session - Tactile Measuring Techniques <i>Chair: Jean-Michel Asfour; DIOPTIC GmbH; Germany</i>	
14:25	Round Robin Test by UA3P <i>Tomofumi Morishita; Panasonic Production Engineering Co., Ltd; Japan</i>	
14:50	Asphere and Free-Form Measurement Comparison in IOM <i>Thomas Arnold; IOM - Leibniz-Institut für Oberflächenmodifizierung e.V.; Germany</i>	
15:15	Potential of Free-Form Measurements with Different Types of Instruments <i>Andreas Beutler; Mahr GmbH Göttingen; Germany</i>	
	Session - Interferometry Based Techniques <i>Chair: Jean-Michel Asfour; DIOPTIC GmbH; Germany</i>	
15:40	Measurements by Hofbauer <i>Engelbert Hofbauer; Hofbauer-Optik, Mess- und Prüftechnik; Germany</i>	
16:00	Lunch and Coffee Break, Technical Exhibition and YSA Poster Session	



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	Tuesday, 19 March 2019	Afternoon
	Session - Interferometry Based Techniques <i>Chair: Jean-Michel Asfour; DIOPTIC GmbH; Germany</i>	
16:00	Lunch and Coffee Break, Technical Exhibition and YSA Poster Session	
16:45	CGH-Based Interferometer Measurements of Round Robin Asphere #3 <i>Frank Weidner; DIOPTIC GmbH; Germany</i>	
17:05	Non-Contact 3D Form Measurement of Aspheres and Free-Forms Based on a Scanning Point Interferometer <i>Marc Wendel; AMETEK GmbH – Business Division Taylor Hobson / Lumphos; Germany</i>	
17:30	Transforming NANOMEFOS into NMF600S: High Accuracy, Speed and Point Density on Large Wild Free-Forms <i>Rens Henselmans; Dutch United Instruments; The Netherlands</i>	
17:55	Summary and Closing of First Day <i>Session Chair</i>	
19:00	Conference Dinner in LOCAL RESTAURANT	
23:30	Good Night!	



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DAY 2	Wednesday, 20 March 2019 Session - Different Measuring Techniques <i>Chair: Andreas Beutler; Mahr GmbH Göttingen; Germany</i>	Morning
9:00	Welcome Coffee, Technical Exhibition and YSA Poster Session	
9:30	Opening of Second Day <i>Session Chair</i>	
9:35	Deflectometry on Complex Surfaces with Compensation of Display Shape Deviations <i>Jonas Bartsch; BIAS - Bremer Institut für angewandte Strahltechnik GmbH; Germany</i>	
10:00	HLEM Round Robin Measurements at Optimax Systems <i>Michael Gregory; OPTIMAX; United States</i>	
10:25	Asphere and Free-Form Fabrication and Testing at ZYGO <i>Thomas Dresel; Zygo Corporation; United States</i>	
10:50	Coffee Break, Technical Exhibition and YSA Poster Session	
11:35	Advanced Measurement of Free-Form Surfaces Using Experimental Ray Tracing <i>Tobias Binkele; Hochschule Bremen – City University of Applied Sciences; Germany</i>	



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DAY 2	Wednesday, 20 March 2019 <i>Chair: Andreas Beutler; Mahr GmbH Göttingen; Germany</i>	Morning
12:00	Intercomparison of Measurement Results <i>Name NN; Physikalisch-Technische Bundesanstalt; Germany</i>	
12:30	YSA 2019 – Young Scientist Award 2019 Ceremony <i>Moderation by Name NN; Institution NN; Country NN</i>	
13:00	Conference Closing and Outlook <i>Session Chair</i>	
13:15	Lunch and Coffee End of Event and Departure	