



# 12<sup>th</sup> WORKSHOP 2024 – Asphere Metrology Detailed Program

V 3.0

<b>DAY 1</b>	<b>Tuesday, March 12<sup>th</sup>, 2024</b> <i>Chair: Jean-Michel Asfour, DIOPTIC GmbH, Germany</i>	<b>Afternoon</b>
11:00	<b>Arrival</b> <b>Registration</b> <b>Welcome Coffee</b> <b>Technical Exhibition</b>	
12:00	<b>Welcome to Workshop Asphere Metrology 2024 – Opening, Overview and Outlook</b> <i>Harald Bosse, CC UPOB e.V., Germany</i>	
<b>Session - Assembly of Optical Systems</b> <i>Chair: Jean-Michel Asfour, DIOPTIC GmbH, Germany</i>		
12:15	<b>Keynote:</b> <b>Effective Optical System Assembly by Ultra-Precise Manufactured References</b> <i>Andreas Gebhardt, Fraunhofer IOF, Germany</i>	
12:55	<b>Centration Testing of Aspheres</b> <i>Andreas Kerkmann, TRIOPTICS GmbH, Germany</i>	
13:20	<b>Lunch, Coffee Break and Technical Exhibition</b>	<b>group photo time!</b>



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13:20	Lunch, Coffee Break and Technical Exhibition	group photo time!
14:20	<b>Centering Turning of Mounted Optics and Lasers</b> <i>Christian Wenzel, INNOLITE GmbH, Germany</i>	
14:45	<b>Why you Won't get a Perfect Asphere Considering Inner Centration and Polishing Errors</b> <i>Engelbert Hofbauer, Hofbauer Optik Mess- &amp; Prüftechnik, Germany</i>	
	<b>Session -</b> <b>Measurements on Current HLEM Samples</b> <i>Chair: Andreas Beutler, Mahr GmbH, Germany</i>	
15:10	<b>Non-Contact 3D Form Measurement of Precision Optics</b> <i>Jürgen Petter, AMETEK BU Taylor Hobson, Germany</i>	
15:35	<b>Measurement of Aspheric Lenses by VSPOT Technology</b> <i>Ronald Kometer, Hofbauer Optik Mess- &amp; Prüftechnik, Germany</i>	
16:00	Coffee Break and Technical Exhibition	



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16:00	Coffee Break and Technical Exhibition	
16:45	<b>Applications with White-Light-Interferometry for the Characterization of Optical Surfaces</b> <i>Özgür Tan, Polytec GmbH, Germany</i>	
17:10	<b>Measurement Comparisons within the Framework of CC UPOB e.V.</b> <i>Ines Fortmeier, Physikalisch-Technische Bundesanstalt, Germany</i>	
17:35	<b>Discussion on Comparison and Outlook</b> <i>Session Chair</i>	
17:45	<b>Closing of First Day</b> <i>Session Chair</i>	
19:00	<b>Conference Dinner in Local Restaurant in Wetzlar</b> Please find details on <a href="http://www.upob.de">www.upob.de</a>	
23:30	<b>Good Night!</b>	



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DAY 2	<b>Wednesday, March 13<sup>th</sup>, 2024</b> <b>Session -</b> <b>Free-Form and Space Optics</b> <i>Chair: Oltmann Riemer,</i> <i>Leibniz-Institut für Werkstofforientierte Technologien - IWT, Germany</i>	Morning
8:45	Welcome Coffee and Technical Exhibition	
9:30	<b>Opening of Second Day</b> <i>Session Chair</i>	
9:35	<b>Keynote:</b> <b>Freeform Optics: Technological Progress and Application Development</b> <i>Fengzhou Fang, CIRP President, Tianjin University and University College Dublin; PRC and Ireland</i>	
10:20	<b>Application of the Hexagon Multiline System for Form Measurement and Alignment of Large Mirrors</b> <i>Heinrich Schwenke, Hexagon AICON ETALON GmbH, Germany</i>	
10:45	<b>Entanglement of Power and Spherical Aberration in the Metrology of the PLATO Aspherical Lenses</b> <i>Massimiliano Rossi, Media Lario Srl, Italy</i>	
11:10	<b>Precision Measurements using Computer Generated Holograms in the Manufacturing and Alignment of Large Lens Systems</b> <i>Frank Grupp, Max-Planck-Institut für extraterrestrische Physik (MPE) / Grupp-Astro, Germany</i>	
11:35	Coffee Break and Technical Exhibition	



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11:35	<b>Coffee Break and Technical Exhibition</b>	
12:20	<b>Evaluation of microlens arrays using UA3P</b> <i>Reinhard Windemuth, Panasonic Connect Europe GmbH, Germany</i>	
12:45	<b>Metrology for Precision Optics</b> <i>Detlef Feger, Werth Messtechnik GmbH, Germany</i>	
13:10	<b>Subsurface Damage in Diamond Machined Advanced Material</b> <i>Oltmann Riemer, Leibniz-Institut für Werkstofforientierte Technologien – IWT, Germany</i>	
13:35	<b>Summary and Final Discussion</b> <i>Session Chair</i>	
13:45	<b>Conference Closing and Outlook</b> <i>Harald Bosse, CC UPOB e.V., Germany</i>	
13:50	<b>End of Workshop and Visit of the W3+FAIR Light Lunch</b>	
17:30	<b>Good Bye W3+ FAIR-Apero in Foyer of Buderus Arena in Wetzlar</b> Please find Details on <a href="http://www.upob.de">www.upob.de</a>	