



Program Preview

HLEM 2022 - Asphere Metrology on Joint Investigations

March 15-16, 2022

Overview of Presentations on the Round Robin

Misalignment in Asphere and Freeform Metrology

*Antonia Gronle
ITO - Institut für Technische Optik - Universität Stuttgart, Germany*

Non-Contact 3D Form Measurement of Large Optics by a Scanning
Point Multi-Wavelength Interferometer

*Marc Wendel
Ametek GmbH - Geschäftsbereich Taylor Hobson, Germany*

Panasonic UA3P: UPOB Sample Results – Technical News About the
UA3P System

*Reinhard Windemuth
Panasonic Connect Europe GmbH, Germany*

Capabilities of Point Scanning Techniques and Non-Null Interferometry
for the Measurement of Complex Optics

*Nils Geib
Mahr GmbH, Germany*

New features for the NMF platform range of machines

*Rens Henselmans
DUI, The Netherlands*

Further Developments in Shape and Centration Measurement on
Aspheres with New V-SPOT Technology

*Engelbert Hofbauer and Ronald Kometer
Hofbauer Optik Mess- & Prüftechnik, Germany*



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Overview of Presentations on Additional Topics

Measurement of Inner Centration of an Asphere with CGH Compared to the Optical Profilometer LuphoScan

*Jean-Michel Asfour
Dioptic GmbH, Germany*

Active Display Registration in Phase Measuring Deflectometry

*Yann Sperling
BIAS - Bremer Institut für angewandte Strahltechnik GmbH, Germany*

Flexible Interferometric Form Measurement with Large Illumination Apertures Using Multiple Aperture Shear- Interferometry

*Andre Fabian Müller
BIAS - Bremer Institut für angewandte Strahltechnik GmbH, Germany*

Project 'Free-Form Measurement': Standardized Measurement Procedures for Asphere Testing Using Pointwise Measurement Techniques

*Hanno Dierke
Technische Universität -Braunschweig, Germany*

Comparison Requirements and Current Round Robin Results

*Speaker: NN
CC UPOB e.V., Germany*

YSA 2022 – Young Scientist Award 2022

*Nominated Speakers from different institutions
Moderation by Andreas Beutler
Mahr GmbH, Germany*

Introduction to HLEM 2022 – Short Overview on Samples and Background of Measurements

*Jean-Michel Asfour
DIOPTIC GmbH, Germany*



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Overview of Presentations Session Coating

Coating of Optical Components by Help of a Digital Twin

*Chris Britze
Fraunhofer IST, Germany*

Conformal Coating with Atomic Layer Deposition

*Tobias Graumann
Fraunhofer IST, Germany*

ELI Beamlines and its ultra-high power HAPLS petawatt laser beam
transport optics

*Stefan Borneis
Institute of Physics of the ASCR, ELI Beamlines Project, Czech Republic*