

Preliminary P R O G R A M V3a

WORKSHOP 2024 – Overview Sessions / Talks

(March 12th – 13th, 2024)

March 12th, 2024 - Afternoon

Session I – Assembly of Optical Systems

KEYNOTE

Andreas Gebhardt, Fraunhofer IOF, Germany

Effective Optical System Assembly by Ultra-Precise Manufactured References

Length of Talk: 30 max. 35 Min.

Andreas Kuchler, AMETEK Precitech Inc., Germany

Lecture confirmed - Title of Talk: NN

Length of Talk: 20 max. 25 Min.

Dr. Andreas Kerkmann, TRIOPTICS GmbH, Germany

Centration Testing of Aspheres

Length of Talk: 20 max. 25 Min.

Dr.-Ing. Christian Wenzel, INNOLITE GmbH, Germany

Centering Turning of Mounted Optics and Lasers

Length of Talk: 20 max. 25 Min.

Dr. Engelbert Hofbauer, HOFBAUER Optik Mess- und Prüftechnik, Germany

Why you won't get a Perfect Asphere Considering Inner Centration and Polishing Errors

Length of Talk: 20 max. 25 Min.

March 12th or 13th, 2024

Session II – Measurements on Current HLEM Samples

Dr. Ines Fortmeier, Physikalisch-Technische Bundesanstalt, Germany

Measurement Comparisons within the Framework of CC UPOB e.V.

Length of Talk: 20 max. 25 Min.

Dr. Ronald Kometer, HOFBAUER Optik Mess- und Prüftechnik, Germany

Measurement of Aspheric Lenses by V SPOT Technology

Length of Talk: 20 max. 25 Min.

Dr. Marc Wendel, AMETEK Taylor Hobson, Germany

Non-Contact 3D Form Measurement of Precision Optics

Length of Talk: 20 max. 25 Min.

Dr.-Ing. Özgür Tan, Polytec GmbH, Germany

Applications with White-Light-Interferometry for the Characterization of Optical Surfaces

Length of Talk: 20 max. 25 Min.

Talk on March 12th, 2024

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March 13th, 2024 - Morning

Session III – Free-Form and Space Optics

KEYNOTE

Prof. Dr. Fengzhou Fang, CIRP President, Tianjin University and University College Dublin; PRC and Ireland

Freeform Optics: Technological Progress and Application Development

Length of Talk: 40 Min

Prof. Dr. Paul Rees, Glyndwr Innovations Ltd, United Kingdom

Testing Large Cassegrain Secondary Mirrors using Diffractive Null Lenses

Length of Talk: 20 max. 25 Min.

Dr. Heinrich Schwenke, Hexagon AICON ETALON GmbH, Germany

Application of the Hexagon Multiline System for Form Measurement and Alignment of Large Mirrors

Length of Talk: 20 max. 25 Min.

Massimiliano Rossi, Media Lario Srl, Italy

Entanglement of Power and Spherical Aberration in the Metrology of the PLATO Aspherical Lenses

Length of Talk: 20 max. 25 Min.

Dr. Frank Grupp, Max-Planck-Institut für extraterrestrische Physik (MPE) / Grupp-Astro, Germany

Precision Measurements using Computer Generated Holograms in the Manufacturing and Alignment of Large Lens Systems

Length of Talk: 20 max. 25 Min.

Speaker: NN, Panasonic Connect, Japan

Evaluation of microlens arrays using UA3P

Dr. Oltmann Riemer and Dr. Kai Rickens, Leibniz-Institut für Werkstofforientierte Technologien – IWT, Germany

Subsurface Damage in Diamond Machined Advanced Material

Length of Talk: 20 max. 25 Min.