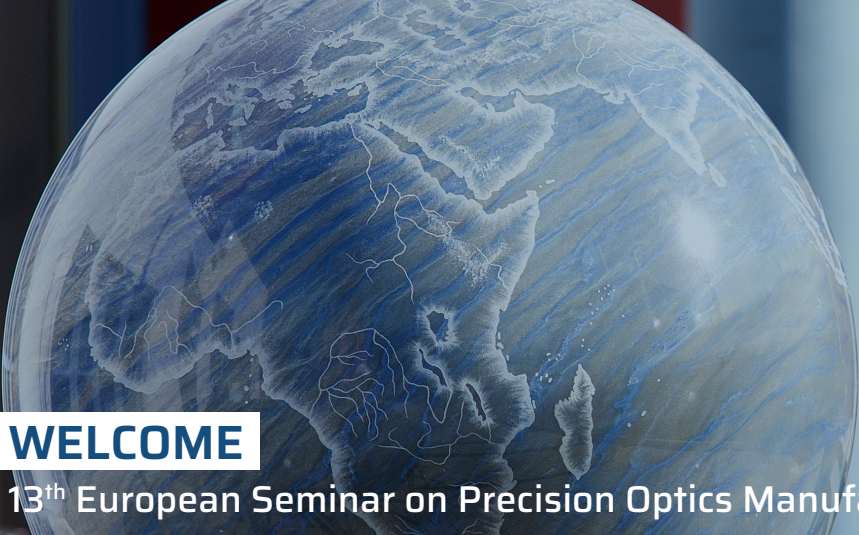


INVITATION

October 7th - October 8th 2026

13th European Seminar on Precision Optics Manufacturing



WELCOME

13th European Seminar on Precision Optics Manufacturing



EUROPEAN UNION
Investing in our Future
European Regional
Development Fund

13th European Seminar on Precision Optics Manufacturing, October 7th - 8th 2026
Deggendorf Institute of Technology
Campus Teisnach Optics, Germany

Main topics

- Manufacturing and measurement of optics from mm- to m-range and optical systems: Processes for grinding, polishing, centering, assembly, handling, surface modification, cleaning and coating of optics
- Standards in optics manufacturing. Design of optics, error budgeting, fusion of optical and mechanical design, strategies for optical design within mechanical tolerances. Optical design SW: experiences, current developments, license models & alternatives
- Advanced and next generation technologies in high precision manufacturing: Ultraprecision machining, kinetic abrasive polishing, additive manufacturing, molding, new and special materials, next generation of giant optics manufacturing and testing
- Smart fusion of manufacturing and measurement of optics: Lessons learned in industry and research institutes in environment, media control, process stability, measurement, data handling and data mining
- Internet of things: Data handling and security within the value chain from optical design to manufacturing process, optical systems and their integrity and vulnerabilities

Conference language:

English

We are looking forward to meeting you at the 13th European Seminar on Precision Optics Manufacturing.

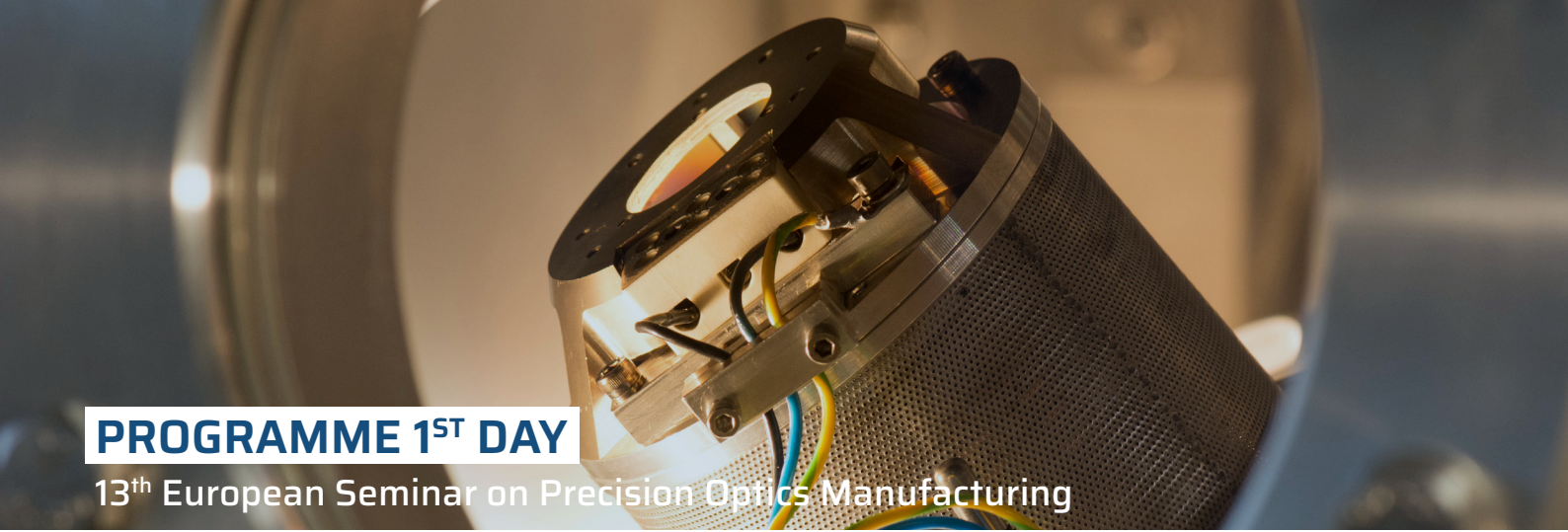
Yours sincerely,

A stylized, handwritten signature in blue ink, appearing to be "W. Berg".

Prof. Waldemar Berg

A handwritten signature in blue ink, reading "Gerald Fütterer".

Prof. Dr. Gerald Fütterer



PROGRAMME 1ST DAY

13th European Seminar on Precision Optics Manufacturing

Chairs: Dr. Oliver Fähnle, PanDao GmbH
Prof. Dr. Gerald Fütterer, DIT
Prof. Dr. Ing. Christine Wünsche, DIT
Prof. Dr. Helge Thieß, DIT
Vít Lédli, Ph.D., TOPTEC

1ST DAY, WEDNESDAY, OCTOBER 7TH 2026

9:30 CHECK-IN

10:15 WELCOME

10:20 SESSION 1 - MANUFACTURING - GRINDING, LAPPING, POLISHING

Small steps towards sustainable optics manufacturing

Edda Rädlein, Technische Universität Ilmenau, DE

Polishing of inorganic-nonmetallic materials using additively manufactured tools

Schulze, Ernst Abbe Hochschule Jena, DE

Fixed abrasive lapping with Flexible 3M™ Trizact™ Diamond Tile

Christopher Russel, Universal Photonics, US

Final results from an automated robot-based overarm polishing cell (BeRoH)

Helge Thieß, Institute for Precision Manufacturing and High Frequency Technology, DE

Progress in Waveplate fabrication and measurement methods

Stefan Egle, SwissOptic AG, CH

Latest developments in SiC based optics manufacturing at OptoTech

Sebastian Stoebenau, OptoTech Optik GmbH, DE

13:00 LUNCH

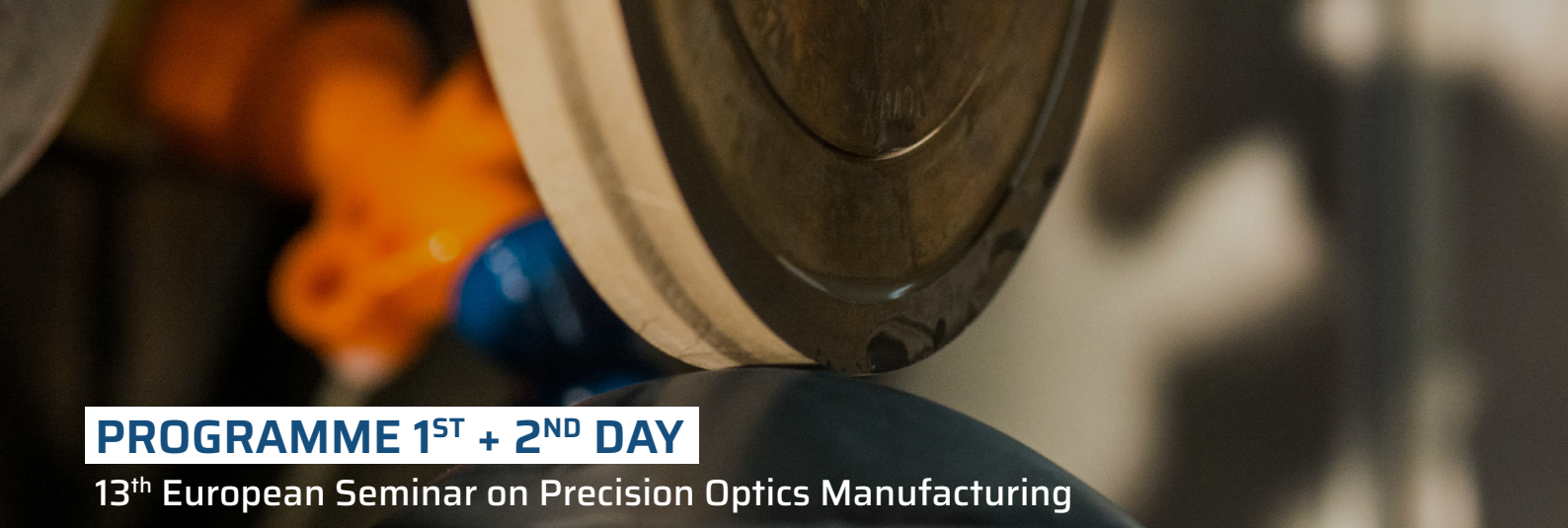
14:00 SESSION 2 - METROLOGY AND DIGITALIZATION

Testing asphere surface form by the point diffraction interferometer

Nikolay Voznesenskiy, Difrotec, EE

Advanced Fizeau Interferometry for Complex Optics: Wavelength Tuning, Absolute Metrology and Subaperture Stitching

Michal Jiránek, OPMET Labs s.r.o., CZ



PROGRAMME 1ST + 2ND DAY

13th European Seminar on Precision Optics Manufacturing

Advanced Automated Optical Surface Inspection with Combined Dark- and Bright-Field Imaging

Jennifer Steinbiß, Dioptric GmbH, DE

15:15 - 16:00 COFFEE BREAK

Sub-Arcminute Centering of Aspheric Optics Using a Precision Mandrel Bonding Process and Reference-Based Finish Machining

Engelbert Hofbauer, Hofbauer Messtechnik GmbH, DE

System setup for the verification of changed microscopic images due to changed coherence properties

Gerald Fütterer, Institute for Precision Manufacturing and High Frequency Technology, DE

17:00 - 18:30 POSTER SESSION AND LAB TOUR

18:30 GET2GETHER - BAVARIAN EVENING

2ND DAY, THURSDAY, OCTOBER 8TH 2026

08:30 SPEED DATING & COMPANY PRESENTATION, COFFEE

10:00 SESSION 3 - NEW METHODS FOR MANUFACTURING

Atmospheric plasma jet machining - wins and challenges for precision optics manufacturing

Heike Müller, Leibniz Institute of Surface Engineering, DE

Manufacturing of demanding optics and optical and optomechanical assemblies at Layertec: an overview of recent activities

Daniel Heinert, Layertec GmbH, DE

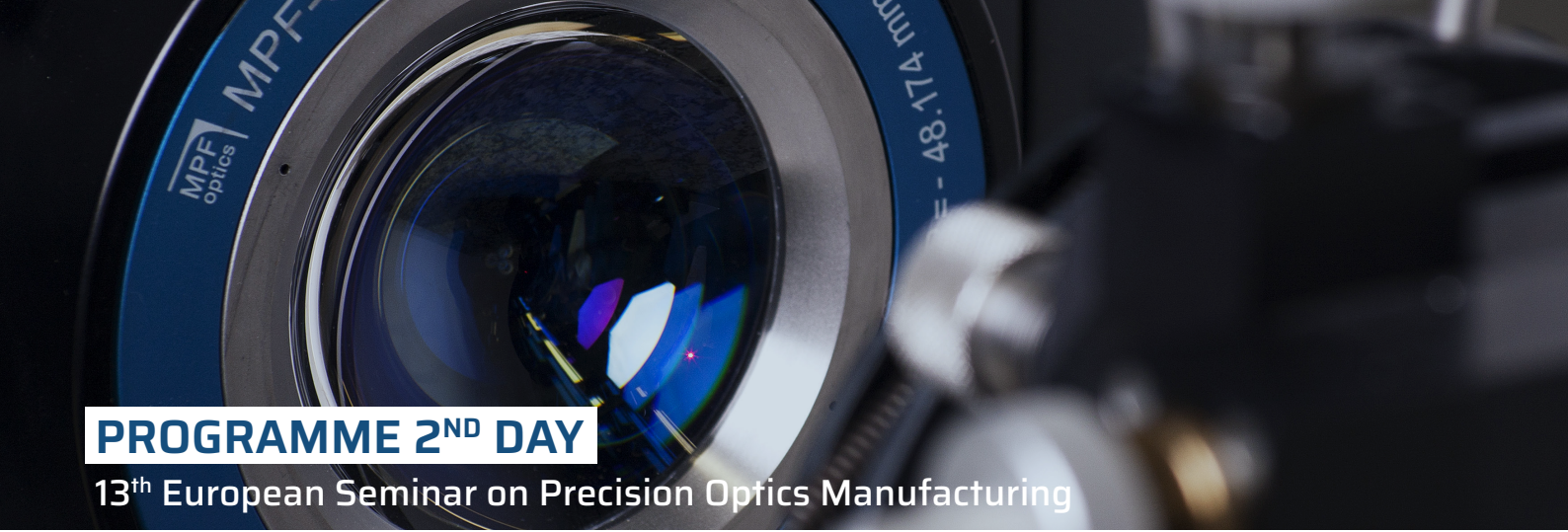
Laser-based form generation and polishing for manufacturing of optical components

Astrid Saßmannhausen, Fraunhofer Institute for Laser Technology, DE

Towards Sustainable Grinding of Brittle Materials: An Experimental Study of Minimum Quantity Lubrication Strategies

Volha Kukso, Institute for Precision Manufacturing and High Frequency Technology, DE

11:45 LUNCH



PROGRAMME 2ND DAY

13th European Seminar on Precision Optics Manufacturing

12:45

SESSION 4 - CENTERING AND ALIGNMENT, OUTLOOK

Accelerating Lens Objective Assembly: Dynamic Compensation on Standard Alignment Turning Stations

Patrik Langehanenberg, Trioptics, DE

Data Acquisition and Handling in Low-volume Precision Optics Manufacturing

Gumbsheimer Pascal, SwissOptic AG, CH

Optical Fabrication Process Maps for Glasses: Linking Modern OFTs to Material Requirements

Oliver Föhnle, PanDao GmbH, CH

Quo Vadis Optics Industry?: Hightech Industries in the German Economy

Michael Benisch, Institute for Precision Manufacturing and High Frequency Technology, DE

14:15

END OF THE SEMINAR