

Agenda

Location
Hotel Freizeit Inn
Dransfelder Str. 3 | 37079 Göttingen

Date
October 7 – 8, 2025



Topics Day 1

Tribological Models and Metrology of High-Performance Surfaces

10:00 – 10:20 a.m.	Welcome	Manuel Hüskén CEO / Chairman of the Board – Carl Mahr Group
10:20 – 11:00 a.m.	Do we truly understand surface roughness from a tribological point of view?	Prof. Dr. Matthias Scherge Director of the Mirko Tribology Centre µTC
11:00 – 11:20 a.m.	Break	
11:20 – 12:00 a.m.	Polish Grinding as a finishing process for modern high-performance gear systems	Dr. Maximilian Zimmer Reishauer AG
12:00 – 12:45 p.m.	Surface topography as a material property	Prof. Lars Pastewka Uni Freiburg
12:45 – 1:30 p.m.	Lunch break	
1:30 – 2:15 p.m.	Between height and curvature – How reliable is surface topography data?	Prof. Dr.-Ing. Jörg Seewig RPTU Kaiserslautern-Landau
2:15 – 3:00 p.m.	Optical metrology bridging length scales: Combined spatial and spectral surface analysis	Boris Brodmann Senior Technologist, Mahr GmbH
3:00 – 3:30 p.m.	Break	
3:30 – 4:15 p.m.	Traceability of measurements of surface characteristics	Dr. habil. Dorothee Hüser PTB – German National Metrology Institute
4:15 – 4:45 p.m.	Break	
4:45 – 5:30 p.m.	Panel discussion – Measurement process between standards and innovation	Peter Ebert InVision - TeDo-Verlag
from 7:00 p.m.	Evening event	

Topics Day 2

Measurement of High-Performance Surfaces in Industrial Practice

09:00 – 09:15 a.m.	Welcome	Kai Meine Global Head of Sales Optical Technologies, Mahr GmbH
09:15 – 09:45 a.m.	Metrological requirements for sealing systems	Jan Stüven Trelleborg Sealing Solutions Germany GmbH
	Considerations on the influence of the topography of steel surfaces on the tribology of ball joints.	Dr. Jürgen Gräber fmr. ZF Friedrichshafen AG
	Requirements for the grinding processing of calender rolls to produce battery films	Dr. Marcus Queins Heinrich Georg GmbH Maschinenfabrik
09:45 – 10:15 a.m.	Break	
10:15 - 10:45 a.m.	Surface finishing process for ball screw measurement and its qualification with scattered light technology	Sebastian Conchi Sales Specialist Optosurf, Mahr GmbH
	Private (local) AI Chatbot: The future of knowledge management	Prof. Dr. Stephan Sommer TH Würzburg-Schweinfurt
	Application of optical methods for tribological systems using the example of the cylinder bores	Prof. Dr. Ing. Habil. Matthias Eifler IU International University
10:45 – 11:15 a.m.	Break	
11:15 – 12:00 a.m.	Discussion forum – Conclusion	Peter Ebert InVision - TeDo-Verlag
12:00 – 12:15 a.m.	Closing words	Kai Meine Global Head of Sales Optical Technologies, Mahr GmbH



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