Workshop - Freeform Measurement Training

Event - Workshop - Freeform Measurement Training ↻

Title	Workshop - Freeform Measurement Training
When	Do, 13. September 2018

Description

Workshop - Freeform Measurement Training
Measurements with Tilted-Wave Interferometer and Validation of Results

As part of the international efforts to establish traceable measurement technology for freeform surfaces, this training seminar serves the exchange between developers, users and research institutes. Current developments are presented and discussed in impulse lectures, which are rounded off by practical experience in the laboratory.

Oral presentations
• Asphere measurement with MarOpto TWI60 (Mahr GmbH)
Principles Actual implementation Sample measurements and comparisons

• Freeform capabilities of TWI (ITO)
Dynamic range Monte Carlo simulations – a route to estimate the uncertainty

• Radius measurement bench (PTB, ITO)
Importance of absolute radius measurement Improvements in uncertainty High accuracy in unstable conditions

• Metrological reference surfaces (PTB)
New ideas on freeform reference surfaces Design, Manufacturing, Calibration

Laboratory visits / hands on trainings
• Tilted-Wave Interferometer

• Radius measurement

Location

Institut für Technische Universität Stuttgart
Pfaffenwaldring 9
70569 Stuttgart
Germany

Registration

If you are interested in participating, please register at nadine.weber(ät)ptb.de by specifying your name, institution/company and email-address.

Registration deadline: 31st August 2018.

Participation is free of charge

Venue - Stuttgart

Location	Stuttgart
City	Stuttgart
Country	DE