

13th September 2018

10.30 am - 3.30 pm

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

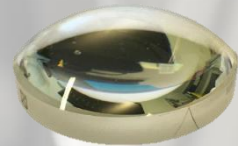
Laboratory visits / hands on trainings

- Tilted-Wave Interferometer
- Radius measurement



Location

Instytut für Technische Optik
Universität Stuttgart
Pfaffenwaldring 9
70569 Stuttgart
Germany



Public transport

From main station: city trains are running every 10 minutes (S1, S2 or S3).
From the airport take S2 or S3.
Get off at „University“ which is located directly on the campus of the university.
For further information you will get a more detailed description via email.

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

Registration deadline: **31st August 2018**. Participation is free of charge.