

▶ COURSE INFORMATION:

Date:

Wednesday (13.11.2019), 12:00 to
Friday (15.11.2019), 16:00

Cost, Attendees:

Per Attendee 750 € incl. Materials and Catering
Min. 10, max. 32 Attendees

Registration:

www.th-deg.de/de/iph/seminare

▶ LOCATION:

Technische Hochschule Deggendorf
IPH - Institut für Präzisionsbearbeitung und
Hochfrequenztechnik
Technologiecampus Teisnach
Technologiecampus 1
94244 Teisnach

▶ CONTACT:

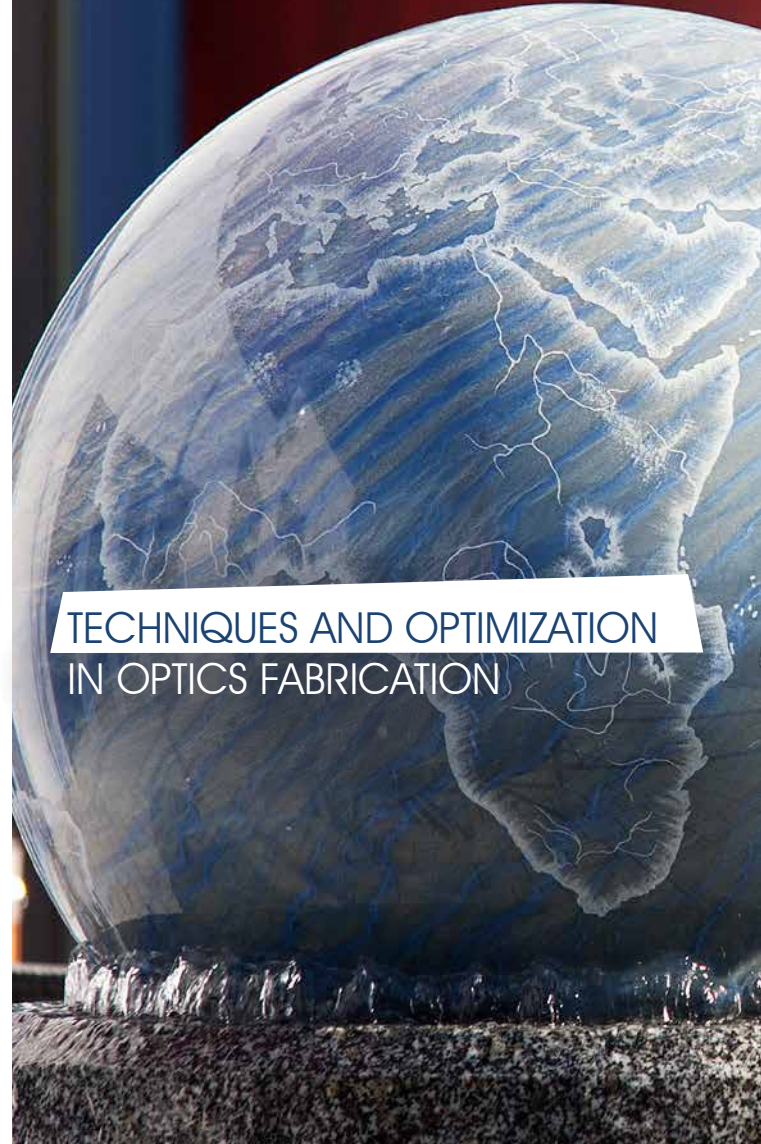
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innovativ & lebendig



TECHNIQUES AND OPTIMIZATION
IN OPTICS FABRICATION



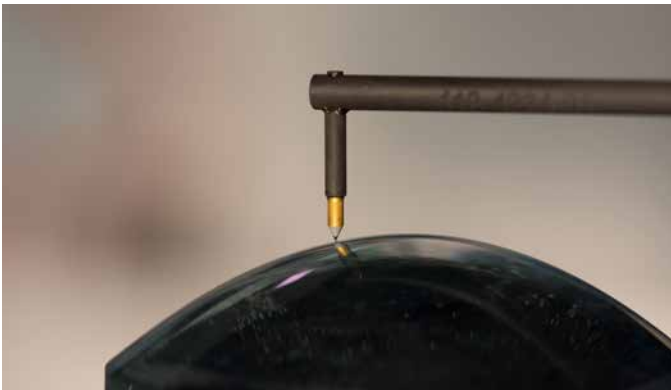
▶ GAIN

- Deeper insights in optical fabrication & testing technologies and current OFT research topics
- Experience by participating in machine demos about MRF, IBF and CCP of 2 meter-class optics in the lab
- Experience in polishing glass surfaces down to 5-th lambda and below 1 nm rms roughness... by your self.
- **Successful PhD participants receive a THD certificate and the best homework paper (voluntarily) will be submitted to the EOSAM conference on „Optics Design, Tolerancing and Fabrication“ to be held 2020 in Porto, Portugal.**

▶ CONTENT

2.5 days lectures, demos and practical work

- Methodological analysis of state-of-the-art OFT techniques and relevant smoothing and shaping processes of lenses made of glass
- On-machine and off-machine testing of sub-surface damage, surface roughness, shape, waviness, stress and centering accuracies
- Lab tours with demos of state-of-the-art machines and hands-on practical work, polishing glass
- Write a rated homework paper on selected OFT issues



▶ TECHNIQUES IN OPTICS FABRICATION

- Techniques: The knowledge behind and their boundaries
- How to optimize a production process
- How to create, write and submit a scientific paper in Optics Fabrication



▶ TARGET GROUP

Students, PHD Students as well as Engineers and Physicists working in the fields of applied optics, precision engineering, astronomy, material sciences and optics design

▶ LECTURER

Dr. Oliver Föhnle

Senior expert in Optics Fabrication and Process Development with more than 30 Years of Experience

Author, Chair and Mainchair in several Optics Conferences

Head Industrial Advisory Committee (IAC) of the EOS, MainChair SPIE conference on „Precision Optics Manufacturing (POM20)“, to be held 2020 in Teisnach, Germany and MainChair EOS conference on „Optics Design, Tolerancing and Fabrication“ to be held 2020 in Porto, Portugal.