Registration by fax

+49 (0) 6732 935 123

☐ I will attend the symposium „Freeform Optics 2020" as guest (340,00 € / 490,00 € plus 19% VAT)

_____
Title

_____
Last name, first name

_____
Company

_____
E-Mail

_____
Street (invoice address)

_____
ZIP Code, City (invoice address)

_____
Signature

With my signature I accept the terms and conditions of Photonics Hub GmbH (available at www.photonics-hub.de/kontakt/agbs).

Note: According to Art 6 GDPR (EU General Data Protection Regulation) we inform you about the electronic storage of your data and the processing in the automatic procedure.

Online registration

Attendance Fee

☐ Participant
Members of German Photonic Innovation Networks 340,00 € pp

☐ Participant
Non-members 490,00 € pp

all prices +19%VAT

Venue

IGZ Würzburg
Building C/Multiphoton Optics GmbH
Friedrich-Bergius-Ring 15
D-97076 Würzburg
Germany

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Photonics Hub Symposium Freeform Optics

Design – Manufacturing – Application

06th/07th October 2020
in Würzburg, Germany

In Kooperation mit Multiphoton Optics

Freeform Optics

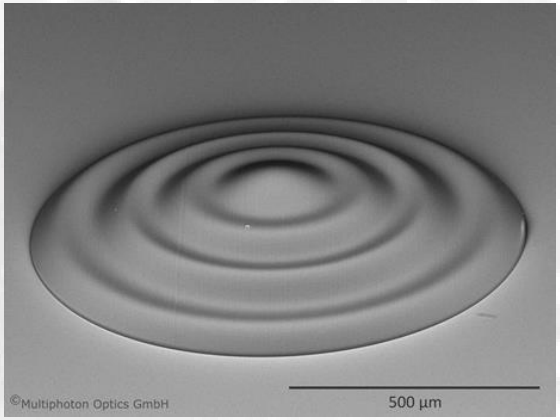
Freeform surfaces are gaining increasing importance in modern optical systems, with a high degree of design freedom with unique possibilities to combine different optical functions.

The implementation of freeform optical surfaces enhances the performance in an optical system and offers miniaturized and more compact optics.

Dependent on the application, one or more surfaces can be shaped as freeform surfaces which result in strong challenges over the entire value chain. Designs, materials, processes, and characterization methods need to be well aligned.

While fabrication methods are nowadays capable of creating complex freeform elements once the processes are validated, the metrology of freeform surfaces in still in its infancy.

The workshop brings together international design, material, and technology experts and provides an overview about the newest developments in the field to discuss them in a networking atmosphere.

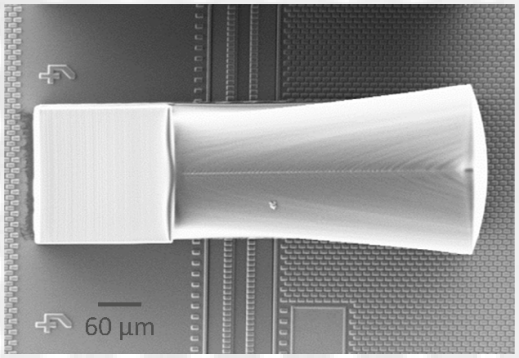


Program Tuesday, October 06th

15:00	**Welcome**
15:15	**Company Tour Multiphoton Optics**
17:00	**Check in Hotel**
19:00	**Dinner**

Program Wednesday, October 07th

09:00	**Freeform Optical Design for Sensing and Illumination Applications** , Dr. Ulrich Streppel, Osram Opto Semiconductors GmbH
09:45	**Wafer-based Manufacturing of Optical Devices,** Edwin Wolterink, Anteryon International BV
10:10	**3D-Inkjet-Printing of Optical Components**, Dr.-Ing. Falk Kemper, Fraunhofer Institut für Optik und Feinmechanik IOF
10:35	**Innovative Materials for the Fabrication of Microoptics**, Dr. Martin Herder, micro-resist technology (MRT) GmbH
11:00	**Coffee break**
11:30	**Manufacturing of Freeform Optics on Wafer-Level**, Dr. Reinhard Völkel, SÜSS MicroOptics S.A.
11:55	**Additive Manufacturing of Micro-optics: Micro-Meso-Macro,** Dr. Benedikt Stender, Multiphoton Optics GmbH
12:20	**Measurement of Freeform Optics from 1mm – 600mm diameter by use of a scanning point interferometer**, Dr. Marc Wendel, AMETEK GmbH, GB Taylor Hobson
12:45	**Lunch**
13:45	**Simulation and Analysis of high-NA Freeform surfaces,** Prof. Dr. Frank Wyrowski, LightTrans International UG
14:10	**Freeform Manufacturing for Sensoric**, Dr. Johannes Koeth, Nanoplus GmbH
14:35	**Precision and Volume - Next Generation Freeform-Optical-Systems for Imaging Applications**, Lutz Reichmann, Jenoptik Optical Systems GmbH
15:00	**Coffee break**
15:25	**Freeform Micro Optics: Current Status and future Challenges**, Dr. Oscar Fernandez, CSEM
15:50	**Panel Discussion**
16:15	**End of Event**



Courtesy of ST