

# UPOB-Workshop 2026 – Program Preview

## High Tech Optics - Metrology and Manufacturing

V3.4

**Date:** March 17-18, 2026; UPOB-Workshop in Wetzlar (March 18-19, 2026; W3+ Fair)

**Language:** english (german titles below will be translated in regular program)

**Speech time Contributions:** 30 min (incl. 5 min discussion)

### Day 1 - March 17, 2026

#### Session 1:

## Adjustment and Application of Optical Components

#### Lecture #S1-1

CONFIRMED

**Title:** Hochgenaues Ausrichten großer asphärischer Optiken unter Produktionsbedingungen

**Speaker:** Iris Erichsen / Stefan Krey TRIOPTICS GmbH

#### Lecture #S1-2

CONFIRMED

**Title:** CGH basierte Prüfung der IR-Endoskope für Wendelstein 7X

**Speaker:** Jean-Michel Asfour, DIOPTIC GmbH

#### Lecture #S1-3

CONFIRMED

**Title:** Referenzstrukturen als Schlüssel zur präzisen Positionierung von Freiformoptiken in komplexen Systemen

**Speaker:** Ulrike Fuchs, Asphericon GmbH

#### Lecture #S1-4

CONFIRMED

**Title:** MSF (Mid Spatial Frequency) Structures and its challenges

**Speaker:** Reinhard Windemuth, Panasonic Connect Europe GmbH

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### Day 1 - March 17, 2026

#### Session 2:

## Components and Metrology for Extreme Precision Applications and Smart Phone Applications

#### Lecture #S2-1

CONFIRMED

Title: **Ångström at Scale – Manufacturing ultra precise optics for highly productive lithography**

Speaker: Benjamin Montavon, Carl Zeiss SMT GmbH

#### Lecture #S2-2

CONFIRMED

Title: **Ultra-präzise Röntgenoptiken für die Forschung mit Synchrotron- und FEL-Licht**

Speaker: Frank Siewert, Helmholtz Zentrum Berlin BESSY II

#### Lecture #S2-3

CONFIRMED

Title: **Cell Phone Camera Technology Driving Ultra Precision Technologies**

Speaker: Christian Wenzel, INNOLITE GmbH

#### Lecture #S2-4

CONFIRMED

Title: **Metrology and its challenges of Smartphone Optics**

Speaker: NN, Panasonic Connect Europe GmbH

#### Evening of March 17, 2026:

**Get Together in Local Restaurant**

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**Day 2 - March 18, 2026**

### Session 3:

## Components for Space Applications

#### Lecture #S3-1

CONFIRMED

Title: **Herstellung eines monolithischen Cassegrainteleskops durch  
Selected Laser Etching & Laser Beam Finishing**

Speaker: Markus Rollinger, DIOPTIC GmbH und Christian Wenzel INNOLITE GmbH

#### Lecture #S3-2

CONFIRMED

Title: **Ultrapräzise Fertigung metalloptischer Asphären und Freiformen für  
Space Anwendungen – von der Komponente zum System**

Speaker: Melanie Ulitschka, Fraunhofer IOF

#### Lecture #S3-3

CONFIRMED

Title: **NN**

Topic: **Präzisionsbearbeitung optischer Komponenten zur Sonnenbeobachtung  
(inkl. der Produktionsnahen Messtechnik)**

Speaker: Thomas Liebrich, RhySearch, Schweiz

In the afternoon of this day, the current sessions topic **"Space Applications"** will be continued on the stage of the W3+ Fair with speeches by **"Hessen in Space"**, beginning from 2:00 pm.