

# 25 FEB 19

## KEYNOTE STAGE

EG | FOYER

 11:00 UHR 

PCB's with Embedded Optics - Completely New Options for Sensor Applications  
**Felix Betschon, Vario Optic AG**

KEYNOTES POWERED BY



11:30 UHR  **HIGH-TECH FORUM  
BY IVAM:**




**Dr. Thomas R. Dietrich, IVAM Microtechnology Network, Dortmund, DE**

Multi-Sensor Metrology for High-Tech Manufacturing  
**Thomas Fries, FRT GmbH, Bergisch Gladbach, DE**

Optical devices processed by low-damage and ultra-smooth etching with SENTECH ICPRIE tools  
**Dr. Benjamin Freyer, Sentech GmbH, Krailling, DE**

High Precision 3D Printing for optical Elements in the micro and macroscale  
**Benedikt Stender, Multiphoton Optics GmbH, Würzburg, DE**

NTS Optel: 25 years of experience in development and manufacturing of opto-mechatronic modules and systems for the high tech industry  
**Jeroen Sprankenis, NTS-Systems Development, Eindhoven, NL**

 13:15 UHR **DIOPTRIC**

Wellenfrontmessung mit selbst kalibrierendem Shack-Hartmann Sensor.  
**Jean-Michel Asfour, Geschäftsführer Dioptric GmbH**

 13:45 UHR 

High-power laser facility for user research  
**Dr. J. Nejd, ELI Beamlines**

 14:15 UHR 

Innovation Show Cases Anwendungsbeispiele für additive Fertigung und Design in der Produktentwicklung  
**Jens Arend, industrialpartners GmbH, Frankfurt**  
**Andreas Schulze, as/ industrial design, Limburg**  
**Wolf Udo Wagner, Studio Wagner: Design, Frankfurt**

# 26 FEB 19

## KEYNOTE STAGE

EG | FOYER

 10:00 UHR 

Design and optimization strategy of incoupling gratings for near-eye displays  
**Roberto Knoth, Senior Optical Scientist**

 10:30 UHR 

Additive Fertigung komplexer, großvolumiger Keramikkomponenten  
**Dr.-Ing. Philipp Gingter, Schunk Ingenieurkeramik GmbH**

 11:15 UHR 

Faszination Gehirn - Lernen, motivieren, verändern.  
**Torsten Seelbach, Gründer & GF der Akademie für Neurowissenschaftliches Bildungsmanagement**

 12:15 UHR **AIRBUS**

Entwicklungen in der additiven Fertigung: von der Vision zum Bauteil.  
**Bastian Schäfer, Innovation Manager Airbus Operations GmbH**

13:00-17:00 UHR  **EPIC TECHWATCH**



**SESSION 1: 13:00-14:00 UHR**

Setting up the scene: The industrial trends in Photonics  
Photonic solutions for sensing, communication and terahertz systems - **Crispin Zawadzki, Fraunhofer HHI (GERMANY)**

Novel illumination techniques for industrial & scientific applications - **Simon Schwinger, CEO, LEJ II Lighting & Electronics Jena (GERMANY)**

Challenges wide field of view virtual reality headsets - **representative of VRgineers (CZECH REPUBLIC)**

InGaAs SWIR cameras for new industrial challenges - **Nicolas Baroan, Business Development Manager, New Imaging Technologies (FRANCE)**

Applied spectral knowledge - **Athanasios Kokorakis, General Manager, Ocean Optics (GERMANY)**

From violet to infrared, a light source for every application - **Maarten Gerkes, Sales Manager Solid State Lighting, USHIO (THE NETHERLANDS)**

**SESSION 2: 14:05-15:05 UHR**

Next trends in laser based manufacturing: smaller features, larger structures and fast processes

High accuracy laser micro-processing: 3D processing of complex parts - **Jose Antonio Ramos de Campos, R&D Director, Lasea (BELGIUM)**

Adding value to industry with femtosecond laser service - **Raul Garcia, CEO, Microrelleus (SPAIN)**

Space variant retarders for laser beam shaping - **Titas Gertus, Project Manager, Workshop of Photonics (LITHUANIA)**

Dynamic laser beam shaping: a new tool to enable high value-added laser marking and micromachining applications - **Florent Thibault, VP Marketing & Sales, Qiova (FRANCE)**

Industrial high precision 3D Printing: are there limits? - **Ruth Houbertz, CEO & Managing Director, Multiphoton Optics (GERMANY)**

3D Printing of microoptics via multiphoton polymerization: methods, challenges, opportunities - **Valdas Monkus, Business Development Manager, Fentika (LITHUANIA)**

**SESSION 3: 15:10-16:00 UHR**

New trends in metrology and monitoring: real time, miniaturization and multimodal sensing

Chromatic Confocal sensing for non-contact surface metrology - **Matthieu Desjacques, EMEA Sales Manager, STIL (FRANCE)**

Passive optical fiber components for extreme environments - **Claire Guyonnet, Export Manager, SEDI-ATI (FRANCE)**

Future in spectrometer miniaturisation - **Frank Czernik, Sales Manager, Avantes (THE NETHERLANDS)**

NIR-spectroscopy on chip-level - allowing disruptive sensor applications - **Ronny Timmreck, CEO, Senorics (GERMANY)**

Continuously variable filters for applications in spectroscopy, HSI and fluorescence diagnostics - **Oliver Pust, Director, Sales and Marketing, Delta Optical Thin Film (DENMARK)**

**SESSION 4: 16:05-16:55 UHR**

New trends in industrial opto-electronic manufacturing: from R&D to production in smart factories: ingredients and capabilities

Optical testing in mass production smart factories - **Oren Aharon, Founder, Duma Optronics (ISRAEL)**

A foundry for photonics integrated chip assembly and packaging for High Volume Manufacturing - **Jeroen Duis, Chief Commercial Officer, PHIX Photonics Assembly (THE NETHERLANDS)**

Serving R&D and production: flexible and reconfigurable assembly machines for optical systems - **Tobias Mueller, CTO, AIXEMTEC (GERMANY)**

Low temperature deposition for flexible substrates - **Volker Sinhoff, CEO, AIXaTECH (GERMANY)**

High heat thermoplastic resins for optical elements - **Bernd Grammer, Sr. Manager, New Business Development, SABIC (GERMANY)**

Closing Remarks - **Jose Pozo, CTO, EPIC - European Photonics Industry Consortium**

# 25 FEB 19

## SEMINARS + WORKSHOPS

### SECOND FLOOR

# 26 FEB 19

## SEMINARS + WORKSHOPS

### SECOND FLOOR

### ADDITIVE FERTIGUNG

SECOND FLOOR 



- 08:30 UHR** Einlass über VIP-Seiteneingang
- 09:00 UHR** Begrüßung | **Dr. Gernot Horst, IHK Lahn-Dill**
- 09:15 UHR** Smarte Produktentwicklung mit additiven Fertigungsverfahren – Bestandsaufnahme | **Dr.-Ing. Christian-Friedrich Lindemann, DMRC, Universität Paderborn**
- 10:00 UHR** 3D-Druck/Additive Fertigung mit neuen Werkstoffen | **Prof. Dr.-Ing. Thomas Niendorf, Institut für Werkstofftechnik, Universität Kassel**
- 10:30 UHR** Kaffeepause
- 10:45 UHR** Neue Materialien und Anwendungen im Kunststoff 3D-Druck | **Michael Anton, Stratasys**
- 11:15 UHR** Hybride Fertigung – Die Zukunft des 3D-Metalldrucks? | **Markus Wolf, O.R. Lasertechnologie GmbH**
- 11:45 UHR** Dienstleister in der additiven Fertigung: mehr als nur drucken | **Alexander Petri, apc-tec Process.Design**
- 12:15 UHR** Mittagspause mit Imbiss
- 13:00 UHR** 3D-Druck - rapid Prototyping – Additive Fertigung: IP-Rechte & Produkthaftung. Was beim Einsatz der neuen Technologien beachtet werden muss | **Matthias Ache, KKP Wetzlar**
- 13:30 UHR** Anwendung von Additiven Fertigungstechnologien im Unternehmen – welche Methode ist für meine Ziele einsetzbar? | **Volker Junior, phoenix GmbH & Co. KG**
- 14:15 UHR** Diskussionsrunde mit anschließender Kaffeepause  
Messebesuch, optional

TICKET ÜBER UNSEREN TICKETSHOP BUCHBAR.

**KOSTEN-  
PFLICHTIG!**




### MEET + MATCH XUCHANG | CHINA

11:00 - 14:30 UHR  
Meet companies of the Chinese model region Xuchang - assisted by RSBK.



### BUSINESS MATCHING HESSEN | SECOND FLOOR

13:30 UHR  
Regionalmanagement Mittelhessen (regional management agency of Central Hesse) is hosting a get-together between foreign delegations and exhibitors based in Hesse. Organised in a relaxed atmosphere, you and your business development colleagues can connect with important international contacts.

9:45 UHR 

### BME EINKAUFSLER- FRÜHSTÜCK



Geschlossene Veranstaltung BME

10:00 UHR 

### STUDENT DAY + TOP-ARBEITGEBER-PITCH



Kostenlose Teilnahme inkl. kostenlosem Messe-  
eintritt für alle Schüler + Studenten!

