

[Surface processing]

Surface processing with advanced laser technologies is the enabling and often performance determining manufacturing step in many high tech markets and applications. The success formula for any technology is bridging the gap between depositing, structuring or modifying a surface and achieving industrial processing rates, yield and throughput.

This workshop will give insight in the latest laser surface processing approaches and technologies from a wide range of industries and aims at fostering mutual understanding and fruitful discussions about the challenges of designing and manufacturing surfaces.



Line beam optics assembly in Göttingen (Image: Coherent)

[How to get there]

Coherent LaserSystems GmbH & Co. KG
Hans-Böckler-Straße 12, 37079 Göttingen



Werk 1
Hans-Böckler-Straße 12
D-37079 Göttingen

[Organisation]

PhotonicNet GmbH

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[In cooperation with]

**Coherent LaserSystems
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Photonic-Net

Innovationsnetz Optische Technologien

IN COOPERATION WITH



SURFACE PROCESSING

[Göttingen, June 6, 2018]



[Schedule]

Welcome 10:00
Dr.-Ing. Thomas Fahlbusch
PhotonicNet GmbH, Hannover, Germany

Chances and Challenges for MicroLEDs 10:10
Rainer Pätzelt, Dr. Ralph Delmdahl, Dr. Oliver Haupt
Coherent LaserSystems GmbH & Co. KG, Göttingen, Germany

Laser Processes for LEDs Development 10:40
Dr. Michael Kunzer, Dr. Thorsten Passow
Fraunhofer for Applied Solid State Physics, Freiburg
Michael Binder
Osram Opto Semiconductors GmbH, Regensburg

Group photograph
Coffee break 11:10

Excimer lasers in advanced wafer level packaging applications 11:40
Dr. Thomas Rapps
SÜSS MicroTec Lithography GmbH, Sternenfels, Germany

Absorption mechanisms and surfaces processing of functional glass components 12:10
Dr.-Ing. Arnold Gillner
Fraunhofer ILT, Aachen, Germany

Lunch break 12:40

Avoidance of debris on CFRP during UV ns-laser scanning for adhesive applications 13:45
Dr. Thomas Lukasczyk
Fraunhofer IFAM, Bremen, Germany

Multiplexed laser surface enhancement for synthesis of novel material compositions 14:15
Dr. Pravin Mistry
MTiX Ltd., Huddersfield, West Yorkshire, UK

Coffee break 14:45

Pulsed laser deposition, a versatile deposition technique for growing thin films 15:15
Dr. Cas Damen, Dr. Rik Groenen
Twente Solid State Technology B.V., Enschede, The Netherlands

Precision Thin film patterning on 3-D surfaces for manufacturing of integrated strain sensors 15:45
Dr.-Ing. Oliver Suttman
Laser Zentrum Hannover e.V., Hannover, Germany

Factory Visit 16:15
Coherent Göttingen

End 17:00

[Registration*]

Binding Registration
Please register until **May 27th 2018** the latest

Fax: +49 511 / 277-1650

or **ONLINE**

E-Mail: veranstaltung@photonicnet.de

I will attend the workshop

I will attend the factory visit

Name

Company / Institution

Address

Postal Code, City

Phone No.

E-Mail

Member of competence network OT

Date / Signature

Venue:
Coherent LaserSystems GmbH & Co. KG
Hans-Böckler-Straße 12
37079 Göttingen

PARTICIPATION FEE (plus VAT 19%):

290,00 € per person
230,00 € per person for Members of competence network OT

*In accordance with Federal Law for Data Protection (Bundesdatenschutzgesetz) 26,1 we point out that the indicated addresses are stored electronically and processed automated.