

[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]

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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 **10:35**
 Dr. Michael Kunzer, Dr. Thorsten Passow
Fraunhofer for Applied Solid State Physics, Freiburg
 Michael Binder
Osram Opto Semiconductors GmbH, Regensburg

Group photograph
Coffee break **11:00**

Excimer lasers in advanced wafer level packaging applications **11:30**
 Dr. Thomas Rapps
SÜSS MicroTec Lithography GmbH, Sternenfels, Germany

Absorption mechanisms and surfaces processing of functional glass components **11:55**
 Dr.-Ing. Arnold Gillner
Fraunhofer ILT, Aachen, Germany

Lunch break **12:20**

Avoidance of debris on CFRP during UV ns-laser scanning for adhesive applications **13:20**
 Dr. Thomas Lukasczyk
Fraunhofer IFAM, Bremen, Germany

Multiplexed laser surface enhancement for synthesis of novel material compositions Deposition **13:45**
 Dr. Pravin Mistry
MTiX Ltd., Huddersfield, West Yorkshire, UK

Pulsed laser deposition, a versatile deposition technique for growing thin films **14:10**
 Dr. Cas Damen, Dr. Rik Groenen
Twente Solid State Technology B.V., Enschede, The Netherlands

Coffee break **14:35**

The Road to Production Pulsed Laser Deposition **15:05**
 Dr. James A. Greer
PVD Products Inc., Wilmington, MA, USA

Precision Thin film patterning on 3-D surfaces for manufacturing of integrated strain sensors **15:30**
 Dr.-Ing. Oliver Suttmann
Laser Zentrum Hannover e.V., Hannover, Germany

Factory Visit **15:55**
Coherent Göttingen

End **16:45**

[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.