

## [ 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**



## [ Organisation ]

**PhotonicNet GmbH**

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Tel.: 0511 / 277-1640  
fahlbusch@photonicnet.de

## [ In cooperation with ]

**Coherent LaserSystems GmbH & Co. KG**

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# Photonic-Net

Innovationsnetz Optische Technologien

IN COOPERATION WITH



## SURFACE PROCESSING

[ Göttingen, June 14, 2017 ]



### [ Schedule ]

<b>Welcome</b> Dr.-Ing. Thomas Fahlbusch <i>PhotonicNet GmbH, Hannover</i>	<b>10:00</b>	<b>High-speed laser surface functionalization with ultrafast lasers and innovative optics</b> Dr.-Ing. Arnold Gillner <i>Fraunhofer ILT, Aachen, Germany</i>	<b>13:30</b>
<b>Excimer lasers made in Göttingen</b> Rainer Pätzel, Dr. Ralph Delmdahl, Dr.-Ing. Oliver Haupt <i>Coherent LaserSystems GmbH &amp; Co. KG, Göttingen</i>	<b>10:10</b>	<b>UV-laser pre-treatment of CFRP parts for adhesive applications</b> Markus Veltrup, Dr. Thomas Lukasczyk <i>Fraunhofer IFAM, Bremen, Germany</i>	<b>14:00</b>
<b>Multiplexed laser surface enhancement (MLSE) technology for synthesis on novel material compositions and surface modification for a range of applications</b> Dr. Pravin Mistry <i>MTIX Ltd., Huddersfield, West Yorkshire, UK</i>	<b>10:30</b>	<b>Production and applications of fiber Bragg gratings</b> Per Karlsson (1), Remco Nieuwland (2) <i>(1) NorthLab Photonics AB, Nacka, Sweden;</i> <i>(2) Hittech Multin BV, Den Haag, NL</i>	<b>14:30</b>
<b>Coffee break</b>	<b>11:00</b>	<b>Coffee break</b>	<b>15:00</b>
<b>Upscaling PLD for manufacturing of superconducting tapes</b> Dr. Sergey Lee <i>SuperOx Japan LLC, Tokyo, Japan</i>	<b>11:20</b>	<b>Wide scalability of Nikon optical materials</b> Yoshikazu Ueda <i>Nikon Precision Europe GmbH, Langen, Germany</i>	<b>15:20</b>
<b>PLD-Preparation of Carbon Based Multilayered Coatings</b> Prof. Dr. Steffen Weißmantel, René Bertram <i>Hochschule Mittweida, Mittweida, Germany</i>	<b>11:50</b>	<b>Surface processing using short and ultra-short pulsed lasers</b> Dr.-Ing. Roland Mayerhofer <i>ROFIN-BAASEL Lasertech GmbH &amp; Co. KG, Gilching, Germany</i>	<b>15:40</b>
<b>Lunch break</b>	<b>12:20</b>	<b>Factory Visit</b> <b>Coherent Göttingen</b>	<b>16:00</b>
		<b>End</b>	<b>17:00</b>

### [ Registration ]

**Binding Registration**  
Please register until **May 31st 2017** the latest

**Fax: +49 511 / 277-1650**

or **ONLINE**

**E-Mail: [veranstaltung@photonicnet.de](mailto:veranstaltung@photonicnet.de)**

I will attend the workshop

\_\_\_\_\_  
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