Information

Photonics is a key technology of the twenty-first century. Almost no area of life today can operate without optical technologies. In addition to the known areas such as data and communication technology, photonics has become indispensable in many more areas. New applications appear on a daily basis. With an increasing number of applications, requirements with regard to productivity and quality increase as well.

Traditional optical coating processes have been refined in the past 80 years and have now reached their maximal capacity. In order to meet the ever increasing needs, new coating processes with continuative potentials become necessary.

Magnetron sputtering closes the gap between the traditional ion-assisted vapor deposition and ion beam sputtering. It combines the advantages of both technologies. Very dense layers with low absorption and scattering as well as high stability against environmental influences can be created this way. Magnetron sputtering processes show high retention rates and have an excellent process stability and process reproducibility.

New plant concepts with high batch capacity and high reproducibility achieve production costs that are comparable with ion-assisted vapor deposition plants. Therefore, it is expected that applications in the middle to lower segment of precision optics that operate with magnetron sputtering can be produced economically.

[How to get there]

Address:

**Quality Hotel Dresden West, Zschoner Ring 6
01723 Kesselsdorf**
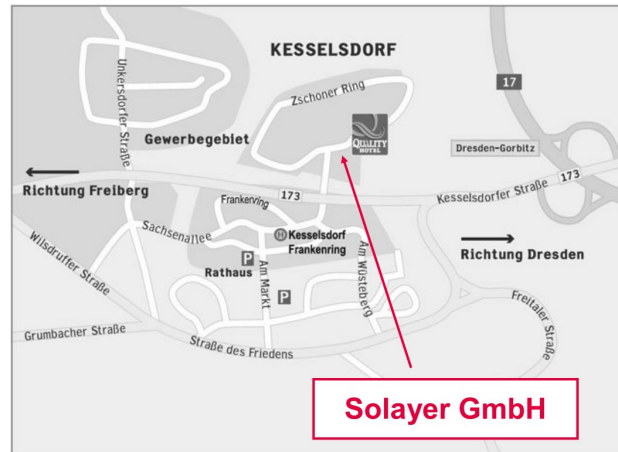
Solayer GmbH

Google Maps

[Organisation]   [In cooperation with]

PhotonicNet GmbH   **SOLAYER GmbH**

Dr.-Ing. Thomas Fahlbusch   Andreas Rack
Tel.: 0511 / 277-1640   Tel.: 06188 5030012
fahlbusch@photonicnet.de   Andreas.Rack@Solayer.com

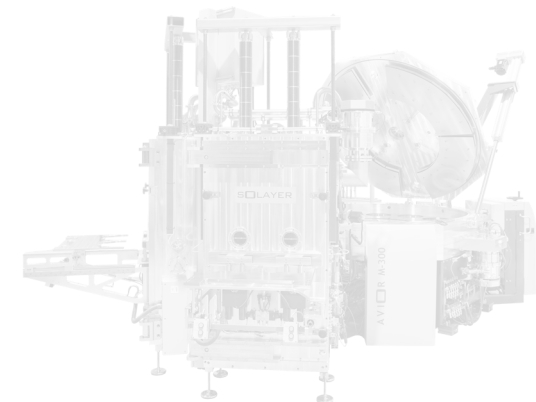# Photonic Net
Innovationsnetz Optische Technologien

SOLAYER

Kompetenznetz
INPLAS
TECPORT

OPTICS SYMPOSIUM

NOVEL COATING TECHNOLOGIES FOR PRECISION OPTICS IN THE NANO ERA

[Dresden, November 28, 2018]

Light your Future

Program

Dresden, November 28, 2018

Reply

[Schedule]

Welcome
Andreas Rack
SOLAYER GmbH, Dresden, Germany
10:00

Monochrome Optical Monitoring
Dr. Simon Hicks
Intellemetrics Global Ltd, Paisley, UK
10:10

**High Density Plasma Technology
for Optical Coatings**
Joseph Kim
TecPort Optics, Orlando, Florida, USA
10:40

Coffee break
11:10

**Magnetron sputtering - Introduction
and recent development**
Prof. Dr. Günter Bräuer
*Fraunhofer IST / INPLAS e.V.,
Braunschweig, Germany*
11:40

**Production of demanding optical
coatings by EOSS®**
Dr. Michael Vergöhl
Fraunhofer IST, Braunschweig, Germany
12:10

Lunch break
12:40

**Simulation of Optical Thin Film Growth
in PVD Processes**
Dr. rer. nat Marco Jupé, Dr. Holger Badorreck
Dr. Aimo Winkelmann
*Laser Zentrum Hannover e.V., Hannover,
Germany*
13:40

Latest Process Results from the AVIOR M-300
Dr. Florian Schwarz
SOLAYER GmbH, Dresden, Germany
14:10

Coffee break
14:40

SOLAYER Optics Products
Andreas Rack
SOLAYER GmbH, Dresden, Germany
15:10

**Magnetron Sputtering of EUV
Multilayer Optics**
Dr. Torsten Feigl
optiX fab GmbH, Jena, Germany
15:40

**Live Demo Session
at Kesselsdorf Technology Center**
16:10

End
16:40

[Registration]

Binding registration
Please register until **November 15th 2018** the latest

Fax: +49 (0) 511-277-1650
E-Mail: veranstaltung@photonicnet.de
Or with one click right here: ONLINE

☐ I will attend the workshop

☐ I will attend the machine demonstration

_____
Title / First Name / Last Name

_____
Company / Institution

_____
Address

_____
Postal Code / City

_____
Phone No.

_____
E-Mail

_____
Member of competence network OT

_____
Date / Signature

VENUE:
Quality Hotel Dresden West
Zschoner Ring 6, 01723 Kesselsdorf

PARTICIPATION FEE (plus VAT 19%)**:**

190,00 € per person
140,00 € per person for members of competence network OT

DATA PROTECTION:

☐ I agree that my name and my business address will
be included in the list of participants and will be stored
electronically in order to organise the workshop. Your data
will be used only by us to inform you about similar offers.
If you do not want us to use your data for advertising purpo-
ses, you can always object to us.