NTB
Interstaatliche Hochschule für Technik Buchs

FHO Fachhochschule Ostschweiz

RhySearch
Das Forschungs- und Innovationszentrum Rheintal

SWISS PHOTONICS

EOS European Optical Society — Coherence for Europe

Optical Coatings for Laser Applications

Workshop
Thursday, 9th June 2016
09:30 – 19:30
(incl. Apéro riche)

Venue
NTB
Interstate University of
Applied Sciences Buchs
Werdenbergstrasse 4
9471 Buchs SG
Switzerland

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Workshop on Optical Coatings for Laser Applications

Abstract
After the success of the 2015 Workshop on Optical Coatings for Laser Applications, the workshop will again be held in 2016 at the NTB in Buchs on the 9th of June.
As last year, presentations by highly reputed speakers in the fields of optical coatings, laser technology and LIDT measurement will again be held. The workshop also offers the opportunity for furthering communication and networking between industry and research groups.

Target Audience
The workshop is geared towards technically interested engineers and scientists working with laser optics, high-end optical thin film deposition and characterization. Presentations will be held in English and participation is free of charge.
Our joint sponsors: NTB, Swissphotonics, RhySearch and the European Optical Society look forward to welcoming you at the NTB in Buchs.

Registration
Online registration can be done on the Swissphotonics website: www.swissphotonics.net

Alternatively, please complete the following form and send it via E-mail or ordinary mail to:

- Registration by E-Mail: info@rhysearch.ch
- Registration by Post: Rhysearch, Werdenbergstrasse 4, CH-9471 Buchs SG

_____
Title, Name, Surname

_____
Company/Institute

_____
Street address

_____
Town, Postal Code

_____
Country

_____
Telephone

_____
E-Mail

_____
Date

Registration closes on 06.06.2016

Programme

09:30	Arrival of guests and poster placement, welcome coffee (Sponsored by Swissphotonics)
10:00	*Welcome note* Prof. L. Ritter, NTB Buchs Dr. R. Quaderer, RhySearch
10:15	*Keynote Lecture:* *Grating-waveguide structures and their applications in high-power laser systems* Dr. Marwan Abdou Ahmed, Institut für Strahlwerkzeuge, University of Stuttgart
10:45	*High Performance Laser Mirrors produced with Plasma-Assisted Reactive Magnetron Sputtering* Dr. Thorsten Best, Optics Balzers Jena
11:15	*Laser damage resistance of optical coatings in the sub-ps regime: limitations and improvement of damage threshold* Dr. Laurent Gallais-During, Fresnel Institute
11:45	Poster Overview
12:00	*Lunch (Sponsored by Swissphotonics) and Poster visit*
13:15	*Introduction Swissphotonics and chairman P.M. session* Dr. Christoph Harder, Swissphotonics
13:20	*Overview of ALD Activities for Optical Applications: Materials, Refractive and Diffractive Optics* Dr. Adriana Szeghalmi, Institute of Applied Physics, Friedrich Schiller University Jena
13:50	*Ion Beam Sputtering: current challenges in ultimate performance optical coatings* Dr. Kai Starke, Cutting Edge Coatings
14:20	*Dispersive optics: limits and challenges* Dr. Vladimir Pervak, Ludwig-Maximilians-University Munich
14:50	*Activities at the RhySearch Coating Lab* Dr. Roelene Botha, RhySearch
15:10	Coffee Break & Lab Tour: Activities at the RhySearch Coating Lab
16:00	*Crystalline Coatings - a new paradigm in optical coating technology* Prof. Dr. Markus Aspelmeyer, Vienna University
16:30	*Devastative contamination on DUV Laser mirrors and dreams for laser processing* Prof. Dr. Patrik Hoffmann, EMPA Materials Science and Technology
17:00	*Workshop: Summary of presentations and discussion of current topics for development* Dr. Hans Ebinger, RhySearch
17:45	*Conclusion* Dr. Carsten Ziolek, PWO, NTB Buchs
18:00	Apéro riche (Sponsored by Swissphotonics) and Poster visits

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General Information

Location	NTB Interstate University of Applied Sciences Buchs Werdenbergstrasse 4 9471 Buchs SG Switzerland
Cost	Free of charge. For organizational purposes, please register
Workshop Language	English
Contact Person	RhySearch Valerie Oesch Werdenbergstrasse 4 CH-9471 Buchs SG +41 81 755 49 50

Access to NTB
By car:
A13, exit Buchs / Schaan.
Parking is available.

By public transport:
SBB Train station: Buchs SG.
From the train station to NTB take bus NFB300 (connection runs every 30 min.) or walk to NTB (ca. 10 min.)