

SYMPOSIUM ON OCLA 2018

Date: Thursday, 12th April 2018, 9.40 a.m. - 5:20 p.m., followed by an Apéro Riche

Location: NTB Campus, Werdenbergstrasse 4, 9471 Buchs SG, Switzerland

Optical Coatings for Laser Applications OCLA: Programme

9:00 a.m. Registration, Welcome Coffee

9:40 **Welcome Note**

Prof. Dr. Andreas Ettemeyer, NTB Buchs

9:50 **OPENING - morning session**

Programme Committee

10:00 **Keynote Lecture: New opportunities with X-ray Laser sources**

Dr. Luc Patthey, Swiss FEL, Paul Scherrer Institut PSI, Switzerland

10:30 **Recent development of XUV multilayer coatings at IOF**

Dr. S. Yulin, Fraunhofer IOF, Jena, Germany

10:50 **Fluoride coatings for the DUV-VUV-wavelength range**

Dr. S. Schippel, Layertec GmbH, Mellingen, Germany

11:10 Short Break

11:20 **Swiss made ultra-stable high-finesse optical cavities**

Dr. E. Portuondo-Campa / Dr. B. Eiermann, CSEM Neuchâtel/ WZW Optic AG Balgach, both Switzerland

11:40 **Atomic layer deposition for optical coatings on complex formed optics**

K. Pfeiffer, Fraunhofer IOF, Jena, Germany

12:00 **Broadband coatings for thin-disk oscillators**

Dr. O. Razskazovskaya, University of Neuchâtel, Switzerland

12:30 Lunch and Poster Session

13:30 **OPENING - afternoon session**

Programme Committee

13:40 **Keynote Lecture: Advanced X-ray Analytics for Innovative Coating Technologies**

Dr. A. Neels, Empa, Switzerland

14:10 **Laser damage metrology for PETAL optics**

Dr. L. Lamaignère, CEA Bordeaux, France

14:30 **Laser induced deflection LID – absolute photo-thermal absorption measurement in optical coatings and materials**

Dr. C. Mühlig, Leibniz-Institut für Photonische Technologien, Jena, Germany

14:50 **All-silica based optical coatings for high power laser systems**

T. Tolenis, Center for Physical Sciences and Technology, Vilnius, Lithuania

15:10 Coffee Break

16:00 **Keynote Lecture: Unravelling the Systematics in Ion Beam Sputter Deposition: Experiment, Calculation and Simulation**

Dr. C. Bundesmann, Leibniz-Institute of Surface Engineering IOM, Leipzig, Germany

16:30 **Effects of Fixture Rotation on Coating Uniformity for High Performance Optical Filter Fabrication**

Dr. B. Rubin, Veeco Instruments, Plainview, USA

16:50 **Nanolaminates in IBS optical coatings**

Dr. M. Jupé, Laser Zentrum Hannover e.V., Germany

17:10 **Conclusion**

Dr. Andreas Bächli, RhySearch, Buchs, Switzerland

17:20 **Apéro Riche *sponsored by Swissphotonics* and Poster Session**

Organizing Committee:



SWISS PHOTONICS

