

SYMPOSIUM ON OCLA 2017

Date: Wednesday, 12 April 2017, 9:00 a.m. - 5:30 p.m.

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

Optical Coatings for Laser Applications OCLA: Programme

- 09:00 Registration, welcome coffee**
- 10:00 WELCOME NOTE**
Prof. Dr. Andreas Ettemeyer; NTB Buchs
- 10:10 OPENING - morning session**
Prof. Dr. Carsten Ziolek; NTB Buchs
- 10:20 Keynote Lecture**
The gravitational waves detection: 20 years of research to deliver the LIGO/VIRGO mirrors
Christophe Michel; Laboratoire des Matériaux Avancés, CNRS, Université de Lyon, Villeurbanne, France
- 10:50 IBS Coatings for Ultrafast Laser Applications**
Dr. Valentin Wittwer; Laboratoire Temps-Fréquence, Institut de Physique, Université de Neuchâtel, Neuchâtel, Switzerland
- 11:10 Optimized components for high-power ultrafast thin-disk lasers**
Andreas Diebold; Department of Physics, Institute for Quantum Electronics, ETH Zurich, Zurich, Switzerland
- 11:30 Laser induced damage threshold of AR coatings on phosphate laser glasses**
Dr. Dirk Apitz; SCHOTT Suisse SA, Yverdon-les-Bains, Switzerland
- 11:50 Optical Absorption**
Istvan Balasa; Laser Zentrum Hannover e.V., Hannover, Germany
- 12:10 LUNCH *sponsored by Evatec AG* and poster session**
- 13:40 OPENING - afternoon session**
Dr. Christoph Harder; swissphotonics.net, Switzerland
- 13:50 Keynote Lecture**
Novel trends in semiconductor-laser-pumped rare-earth-doped solid-state lasers
Dr. Christian Kränkel; Institut für Laser-Physik, Universität Hamburg, Hamburg, Germany and Leibniz Institute for Crystal Growth, Berlin, Germany
- 14:20 Nonlinear optical coatings at high intensities**
Dr. Tatiana Amotchkina; Max Planck Institute of Quantum Optics, Garching, Germany
- 14:40 Optical interference filters with controlled spectral and spatial properties**
Dr. Julien Lumeau; Institut Fresnel, CNRS, Aix-Marseille Université, Marseille, France
- 15:00 Overview of the Sol-Gel antireflective coatings performances and production rate for CEA High Power Laser Facilities**
Dr. Eric Lavastre; Commissariat à l'Énergie Atomique et aux Energies Alternatives, Centre d'Études Scientifiques et Techniques d'Aquitaine (CEA CESTA), Le Barp, France
- 15:20 COFFEE BREAK**
- 16:00 A dream of next generation interference coatings: is it possible to overcome intrinsic laser damage resistance?**
Dr. Andrius Melninkaitis; Laser Research Center, Vilnius University, Vilnius, Lithuania
- 16:20 PVD Coating Materials for Laser Applications**
Dr. Markus Stolze; Umicore Thin Film Products AG, Balzers, Liechtenstein
- 16:40 Qualification of space laser optics for ESA LIDAR missions**
Wolfgang Riede; Deutsches Zentrum für Luft- und Raumfahrt (DLR), Institut für Technische Physik, Aktive optische Systeme, Stuttgart, Germany
- 17:00 Conclusion**
Dr. Andreas Bächli; RhySearch, Buchs, Switzerland
- 17:30 APÉRO RICHE *sponsored by Swissphotonics* and poster session**

Organizing Committee:

