

LASER INNOVATIVE TECHNOLOGIES

WED–THU 5. - 6. 6. 2024

📍 The Extreme Light Infrastructure ERIC, ELI Beamlines Facility
Za Radnicí 835, Dolní Břežany, 252 41, Czechia
The workshop will also be accessible online.

Program

Wednesday 5. 6.

- 13:00 – 13:15 **Registration**
- 13:15 – 13:20 **Welcome speech**
Silvie Skyvová, Czech optical cluster
- 13:20 – 13:35 **ELI ERIC introduction**
Roman Hvězda, The Extreme Light Infrastructure ERIC, ELI Beamlines Facility
- 13:35 – 13:50 **ELIAS coating system and ELI's optical requirements**
Daniel Kramer, The Extreme Light Infrastructure ERIC, ELI Beamlines Facility
- 13:50 – 14:05 **Space-born Laser Technologies**
Martin Divoký, HiLASE Centre Institute of Physics of the Czech Academy of Sciences (CAS)
- 14:05 – 14:20 **New possibilities of hybrid welding and cladding with Laser-MIG technologies**
Libor Mrňa, Institute of Scientific Instruments of the CAS
- 14:20 – 14:35 **High power fibre lasers for industry and defence**
Pavel Honzátko, Institute of Photonics and Electronics, CAS
- 14:35 – 14:50 **Breakthrough Laser Technologies for Smart Manufacturing, Space and Bio-Tech Applications**
Pavel Peterka, Institute of Photonics and Electronics, CAS
- 14:50 – 15:05 **Lasers and monitoring**
Radim Šifta, Network Group
- 15:05 – 15:20 **Laser solutions for industrial challenges: applications, case studies, and perspectives**
Ondřej Schreiber, Narran
- 15:20 – 16:00 **Coffee break**
- 16:00 – 16:15 **PhotonHub Europe: unique one-stop-shop photonics innovation hub for European companies**
Hugo Thienpont, B-phot Brussels Photonics
- 16:15 – 16:30 **Laser ecosystem in Lithuania**
Kristina Ananičienė, Litek
- 16:30 – 16:45 **PARMS coating technology for UV to IR laser applications**
Alex Myslivets, I-Photonics

The workshop will be dedicated to the exciting field of Laser technologies and applications. The aim is to bring together laser communities to discuss and explore common interests in this interesting laser and photonics field.

If you are interested in participating, please register via the registration form: <https://forms.office.com/e/UNc7Lz6sCu>

- 16:45 – 17:00 **Optics for big and scary fs/ps lasers**
Vytautas Jankauskis, OPTOMAN
- 17:00 – 17:15 **"Cold" optics for high power applications**
Laurynas Lukosevicius, Altechna
- 17:15 – 17:30 **LIDT challenge**
Jan Vanda, HiLASE Centre Institute of Physics of the CAS
- 17:30 – 18:30 **ELI Beamlines facility lab tour**
- 19:00 **Networking dinner** 📍 Family brewery Olivův pivovar
Za Radnicí 739, 252 41, Dolní Břežany

Thursday 6. 6.

- 9:15 – 9:30 **Hilase introduction**
Tomáš Mocek, HiLASE Centre Institute of Physics of the CAS
- 9:30 – 9:45 **Smart Laser Manufacturing**
Sunil Pathak, HiLASE Centre Institute of Physics of the CAS
- 9:45 – 10:00 **Laser Applications in Biotechnology and Biomedicine**
Petr Hauschwitz, HiLASE Centre Institute of Physics of the CAS
- 10:00 – 10:15 **Solid state laser devices and activities in Short-Wave IR**
Antonín Fajstavr, Crytur
- 10:15 – 10:30 **Laser application in practice**
Josef Černý, LaserTherm
- 10:30 – 10:45 **Optics Society at Matfyz: Shining light on our activities**
Lukáš Nowak, Optical Society at Faculty of Mathematics and Physics Charles University
- 10:45 – 11:00 **Brain4industry introduction**
Jana De Merlier, Brain4industry
- 11:00 – 12:00 **Hilase and Brain4industry tour**
- 12:00 – 13:00 **Coffee break and matchmaking**

We are looking forward to your participation.
Czech optical cluster team