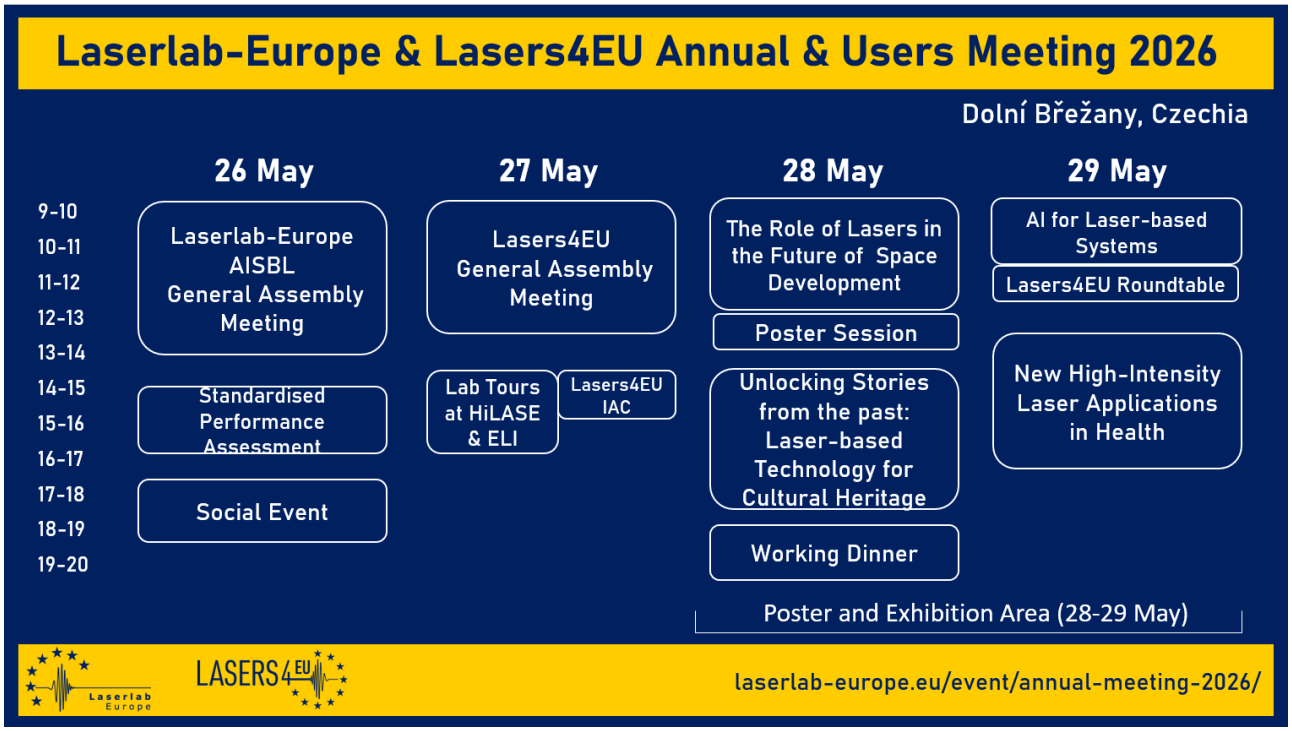
Laserlab-Europe & Lasers4EU Annual & Users Meeting 2026

26 – 29 May 2026

HiLASE Centre and ELI Beamlines, Za Radnicí 835, 252 41 Dolní Břežany, Czechia

Agenda

Programme overview



For bus transport please consult the Practical Information document

Tuesday, 26 May 2026

07:30	**Bus transport** from Náměstí Republiky and Karlovo náměstí to HiLASE and ELI
08:30 – 09:00	Arrival and registration
09:00 – 13:30	**Laserlab-Europe AISBL General Assembly Meeting** *(Internal event)* *A separate agenda and link have been shared with the participants.*
13:30 – 14:30	Lunch
14:30 – 16:30	**Lasers4EU: Session on Standardised Performance Assessment** *(Internal event)* *A separate agenda and link have been shared with the participants.*
16:45	**Bus transport** from HiLASE Centre to Náměstí Republiky (social event)
17:30 – 19:30	**Social event: Two hours walking tour around Prague Old Town and Charles Bridge** *Start: Náměstí Republiky (see meeting point in practical information document)* *End: Malostranské náměstí*

Wednesday, 27 May 2026

07:30	**Bus transport** from Náměstí Republiky and Karlovo náměstí to HiLASE and ELI
09:00 – 13:00	**Lasers4EU General Assembly Meeting** *(Internal event)* *A separate agenda and link have been shared with the participants.*
13:00 – 14:00	Lunch
14:00 – 15:30	**Lasers4EU Industrial Advisory Committee Meeting** *(Internal event)* *A separate agenda and link have been shared with the participants.*
14:00 – 15:00	**Poster and exhibition area** Arrival and preparation of poster and exhibition area
14:00 – 16:30	**Lab Tours at HiLASE Centre and ELI Beamlines**
17:00	**Bus transport** to Karlovo náměstí and Náměstí Republiky

Thursday, 28 May 2026

Webex link: https://elibeams.webex.com/elibeams/j.php?MTID=m9cc6eae54b854f767414497d99aed180

07:30	**Bus transport** from Náměstí Republiky and Karlovo náměstí to HiLASE and ELI
08:30 – 09:00	Arrival and registration
09:00 – 09:15	Welcome by Sylvie Jacquemot (Lasers4EU), Tomas Mocek (HiLASE Centre) & Florian Gliksohn (ELI Beamlines)
09:15 – 12:15	**The Role of Lasers in the Future of Space Development** • Introduction by Jan Vanda (HiLASE Centre, Space and defence projects coordinator) • Séverine A. E. Boyer (CNRS/MINES-Paris/PSL), Laser Ablation Propulsion: High Power Pulsed Laser Irradiation and Advanced Experimental Investigation • Vit Ledl (Toptec/IPP CAS), From Space-Proven Optics to Spaceborne Laser Systems • Torsten Vogel (SAB Aerospace), Satellite Laser Communication - A System Engineers (re-)View • Andrea Di Mira (European Space Agency), Orbital maintenance via laser momentum transfer • Václav Nesládek (Czech Ministry of Industry and Trade), Czech Position in Space Safety Programme (S2P) Period 3
11:00-11:15	*Coffee Break* • Panel Discussion on "The Role of Lasers in the Future of Space Development"
12:15 – 12:45	**Poster Session**
12:45 – 14:00	Lunch and Poster Walk
14:00 – 18:00	**Unlocking Stories from the past: Laser-based Technology for Cultural Heritage** • Introduction by Sara Mosca (Central Laser Facility) • Sam Walker (Agilent Technology), Non-destructive analysis of historical samples using SORS on the Agilent Handheld Spectrometer • Marta Ghirardello (NIREOS), Exploring a novel Fourier transform-based technology for wide-field and microscopy hyperspectral imaging of Cultural Heritage • Antonina Chaban (CNR), From Laserlab-Europe & Lasers4EU User Access at IESL-FORTH to New Research Directions in Wall Painting Diagnostics
15:50-16:30	*Coffee Break* • Victor Gonzalez (ENS Paris Saclay), Luminescence studies of historical pigments: connecting heritage science with photochemistry and photophysics • Tutorial session "Let's build together our laser-based experiments for cultural heritage"
18:00	**Working Dinner** at Olivův pivovar, Za Radnicí 739, 252 41 Dolní Břežany
20:30	**Bus transport** to Karlovo náměstí and Náměstí Republiky

Friday, 29 May 2026

Webex link: https://elibeams.webex.com/elibeams/j.php?MTID=m19ab1b8fddf7a2b41094957594129e87

07:30	**Bus transport** from Náměstí Republiky and Karlovo náměstí to HiLASE and ELI
09:00 – 11:00	**AI for laser-based Systems** • Welcome by Thomas W. Bocklitz (IPHT Jena) • Kosmas Kepesidis (LMU Munich & Center for Molecular Fingerprinting), Modeling Human Health with Laser-Based Molecular Profiles and AI • Pegah Dehbozorgi (FSU, IPHT Jena), AI for laser-based imaging technologies • Rob Shalloo (DESY), Towards Digital Twins for High-Power Laser Systems • Davorin Peceli (ELI Beamlines), Machine Learning Meets Extreme Light: Smart Control and Diagnostics for Laser-Plasma Research at ELI Beamlines
11:10 – 12:00	**Lasers4EU Industry-Focused Roundtable: Needs, Trends and Consortium Response** **Lasers4EU Poster Award Ceremony**
12:00 – 13:00	Lunch
13:00 – 15:40	**New high-intensity Laser Applications in Health** • Welcome by Riccardo Cicchi (LENS) and Pavel Blaha (ELIMED) • Gabriele Grittani (ELI Beamlines), Laser-acceleration of Electrons • Josefine Metzkes-Ng (HZDR), Laser-driven proton beams for bio-medical research • Marco Borghesi (Queen's University Belfast), Laser-driven carbon ion beams for radiobiology at ultra-high-dose-rates • Gabriele Bandini (Aukelos), Toward the Translation of VHEE Laser-Plasma Acceleration Technology into Radiotherapy • Antoine Maitrallain (IMT Atlantique), Laser plasma acceleration for radionuclide production
15:40	**Coffee and Farewell**
16:15	**Bus transport** to Karlovo náměstí and Náměstí Republiky