

Facts and Figures

AKL'26 – International Laser Technology Congress

AKL'26 – INTERNATIONAL LASER TECHNOLOGY CONGRESS

APRIL 22–24, 2026, AACHEN

LOCATION	Eurogress Aachen, Monheimsallee 48, 52062 Aachen, Germany www.eurogress-aachen.de/en
ORGANIZATION	Fraunhofer Institute for Laser Technology ILT, Steinbachstraße 15, 52074 Aachen, Germany www.ilt.fraunhofer.de/en www.lasercongress.org/en
PARTICIPANTS	538 participants from 21 countries (Status: April 21, 2026)
PRESENTATIONS	90 Speakers and 23 Chairpersons
LASER TECHNOLOGY LIVE	Around 60 live demonstrations and exhibits on the following topics: Surface technology, joining, medical technology, EUV and plasma technology, Additive Manufacturing, digitalization and AI, lasers beam source development, quantum technology, cutting and drilling, laser measurement technology, optical systems, battery and hydrogen technology as well as fusion technology. Highlights: Planar Galvanoteter Scanner (PGS) Scalable LPBF machine concept
EXHIBITION	57 Laser, component and system manufacturers showcase their products at 54 booths at the accompanying conference exhibition
SUPPORTING ORGANIZATIONS	EPIC – European Photonics Industry Consortium European Commission OptecNet – Competence Networks for Optical Technologies Photonics Germany SPECTARIS – German Industry Association for Optical, Medical and Mechatronical Technologies VDA – German Association VDI Technology Center VDMA – German Engineering Federation
INNOVATION AWARD	The 10,000 € doped "Innovation Award Laser Technology" is a European research prize awarded every other year by the association Arbeitskreis Lasertechnik e.V.. The award can be conferred on an individual researcher or on an entire project group, whose exceptional skills and dedicated work have led to an outstanding innovation in the field of laser technology. With the "Innovation Award Laser Technology", special attention is paid to the transition from application-oriented science to operational practice. Award Ceremony: April 22, 2026 at the festive event of the AKL'26 in the Coronation Hall of Aachen City Hall. www.innovation-award-laser.org
SAVE THE DATE	AKL'28 – International Laser Technology Congress May 3–5, 2028 in Aachen, Germany

Status: April 21, 2026

Program Structure

Wednesday, April 22, 2026

Exhibition at Eurogress Aachen (accompanying)					
Technology Business Day Photonic and Laser Markets – Market Data and Insights					ROOM EUROPA
Target Markets for Laser Solutions					
ROOM BRÜSSEL AUTOMOTIVE	ROOM K1 AEROSPACE	ROOM K4+K5 ENERGY	ROOM K7-K9 MICRO-ELECTRONICS	ROOM K2 QUANTUM TECHNOLOGY	ROOM K3 MEDICAL TECHNOLOGY
Innovation Award Laser Technology 2026 in the Coronation Hall of Aachen Town Hall (Evening Event)					

Thursday, April 23, 2026

Exhibition at Eurogress Aachen (accompanying)			
Gerd Herziger Session New Perspectives for Lasers in Science and Industry			ROOM EUROPA
ROOM K4+K5 Additive Manufacturing ■ Laser Powder Bed Fusion LPBF	ROOM BRÜSSEL Cutting ■ Laser Cutting	ROOM K1 Laser Beam Sources I ■ Solid State Lasers and Fiber Lasers	ROOM K2 Laser Beam Sources II ■ High Energy Lasers for Fusion and Secondary Sources
Laser Technology Live with around 60 Live Presentations at Fraunhofer ILT			
Market Place and Business Exchange at Eurogress (Evening Event "30 Years AKL")			

Friday, April 24, 2026

Exhibition at Eurogress Aachen (accompanying)			
ROOM K4+K5 Surface Technology ■ Laser Material Deposition ■ Microstructuring ■ Thin Film Processing and Laser-based Optics Manufacturing	ROOM K2 Optical Systems ■ Beam Shaping and Guiding Joining ■ Joining of Metals ■ Joining of Plastics and Transparent Materials	ROOM K1 Laser Beam Sources III ■ Ultrashort Pulse Lasers ■ Lasers with Tailored Wavelengths ■ Diode Lasers	ROOM BRÜSSEL AI in Photonics ■ Process Monitoring ■ Process Control and Optimization ■ Design and Modeling of Laser Processes and Optics
Final Lecture – Looking Ahead: AI-driven Innovations in Photonics			ROOM BRÜSSEL

Subject to change without notice.