

Facts and Figures

AKL'24 – International Laser Technology Congress

AKL'24 – INTERNATIONAL LASER TECHNOLOGY CONGRESS

APRIL 17-19, 2024, 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	525 participants from 21 countries (Status: April 16, 2024)
PRESENTATIONS	80 Speakers and 19 Chairpersons
LASERTECHNIK LIVE	<p>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.</p> <p>Highlights: Electric snowmobile (eSled): Laser welding system for modular, scalable cold-resistant batteries Wind power model: Simultaneous machining and coating of hydrodynamic plain bearings for wind turbine gearboxes</p>
EXHIBITION	58 Laser, component and system manufacturers showcase their products at the accompanying conference exhibition
SUPPORTING ORGANISATIONS	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	<p>The 10,000 € doped "Innovation Award Laser Technology" is a European research prize awarded every other year by the associations Arbeitskreis Lasertechnik e.V. and the European Laser Institute ELI 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.</p> <p>Award Ceremony: April 17, 2024 at the festive event of the AKL'24 in the Coronation Hall of Aachen City Hall. www.innovation-award-laser.org</p>

Status: April 16, 2024

Program Structure

Wednesday, April 17, 2024

Exhibition at Eurogress Aachen (accompanying)			
ROOM EUROPA	ROOM BRÜSSEL	ROOM K1	ROOM K2
Technology Business Day	FORUM Functional Surfaces by Laser Processing	FORUM Digitalization & AI in Photonic Production	FORUM Quantum Technology & Photonics
Innovation Award Laser Technology 2024 in the Coronation Hall of Aachen Town Hall			

Thursday, April 18, 2024

Exhibition at Eurogress Aachen (accompanying)			
Gerd Herziger Session Impact of digitalization and AI on value creation and business models in laser technology			ROOM EUROPA
ROOM K1	ROOM BRÜSSEL	ROOM EUROPA	ROOM K2
Additive Manufacturing ■ Laser Powder Bed Fusion LPBF	Optical Systems ■ Optical systems & beam shaping	Laser Beam Sources ■ Solid state lasers & fiber lasers	Medical Technology ■ Laser systems for medical applications
Laser Technology Live with around 60 Live Presentations at Fraunhofer ILT			
Networking at Eurogress Aachen			

Friday, April 19, 2024

Exhibition at Eurogress Aachen (accompanying)		
ROOM BRÜSSEL	ROOM K1	ROOM EUROPA
Cutting & Joining ■ Cutting ■ Welding ■ Joining of plastics & transparent materials	Surface Technology ■ Laser Material Deposition ■ Microstructuring ■ Polishing & thin film processing	Laser Beam Sources ■ Ultrashort-pulse lasers ■ Lasers with tailormade wavelengths ■ Diode lasers
Final Lecture		ROOM EUROPA

Subject to change without notice, especially venues and times.