

Facts and Figures on AKL'08

- Date: May 7 – 9, 2008, Aachen
- May 7, 2008: Seminar Laser Technology ABC's, Technology Business Day (TBT), EU Innovation Forum "Laser material processing in aeronautics"
 - May 8 and 9, 2008: AKL'08 International Laser Technology Conference
 - May 9, 2008: "Laser Technology Live" at the Fraunhofer ILT
- Organizer: Fraunhofer Institute for Laser Technology ILT
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- Supporting Organizations: Arbeitskreis Lasertechnik e.V.
European Commission
EUROM - European Industry Association for Precision Engineering and Optics
ELI - European Laser Institute
SPECTARIS – German Industry Association for Optical, Medical and Mechatronical Technologies
VDA – German Association of the Automotive Industry
VDI – Technology Center Physical Technologies
VDMA – German Engineering Federation
- Lectures: 57 speakers and 16 chairmen
- Topics AKL:
- Laser beam sources and systems
 - Macro machining: laser cutting, laser welding, laser cladding, structuring and polishing
 - Micro machining: precision joining, solar technology, functionalizing, drilling and ablating
- Topics EU Innovation Forum:
- Additive manufacturing and laser drilling
 - Laser welding
 - Laser cleaning, ablating, structuring
- Topics Seminar Laser Technology ABC's:
- Operating mode of laser materials processing
 - Fields of application of laser technology
 - Practical examples
 - Choice of suitable optics
 - Monitoring of laser manufacturing processes
 - Trends
- Topics Technology Business Day:
- Global laser market

- Laser markets in Europe, USA, Japan and China
- Challenges and trends of laser material processing in microtechnology, automotive and metal working industry

Presentations: 80 live presentations and exhibits at the Fraunhofer Institute for Laser Technology and at the companies of the Laser User Center

Exhibitors/Sponsors: 39 laser, component and system manufacturers showcase their products at the sponsor exhibition

Participants: 490 (dated May 5, 2008)

Innovation Award Laser Technology:

The Innovation Award Laser Technology is a European research prize awarded at 2-yearly intervals by the associations Arbeitskreis Lasertechnik e.V. and the European Laser Institute ELI. 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. The scientific and technological projects in question must center on the use of laser light in materials processing and the methods of producing such light, and must furthermore be of demonstrable commercial value to industry.

The international jury selected on a basis of merit and according to the published assessment criteria (see www.innovation-award-laser.org) 3 innovation teams out of 15 applications as finalists:

- RobScan – Robot-guided Remote Scanner for Laser Beam Welding
(team representative: Dipl.-Ing. Bertold Hopf, Head of Material and Production, Daimler AG, Technology Department, Sindelfingen)

- RAPID: High-power, high-repetition-rate picosecond (ps) laser for industrial high-end micromachining
(team representative: Dr. Achim Nebel, Managing director, LUMERA LASER GmbH, Kaiserslautern)

- Ultrafast Laser for Efficient Industrial Micromachining
(team representative: Dr. Dirk Sutter, Senior Scientist, Advanced R&D and Product Development Manager, TRUMPF Laser GmbH + Co. KG, Schramberg)

The prize winner will be presented on May 8, 2008 at a ceremony of the International Laser Technology Congress AKL'08 in the coronation hall of Aachen's town hall.