

International Laser Technology Congress AKL'14
May 7 - 9, 2014, Aachen, Germany

Contact

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LOCATION

Eurogress Aachen, Monheimsallee 48, 52062 Aachen, Germany www.eurogress-aachen.de

ORGANIZATION

Fraunhofer Institute for Laser Technology ILT
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PARTICIPANTS

629 Participants

LECTURES

58 Speakers and 16 Chairmen

CONFERENCE STRUCTURE

Wednesday, May 7, 2014

- Seminar Laser Technology ABC's
- Technology Business Day TBT
- EU Innovation Forum "Laser Additive Manufacturing (LAM) in Aeronautics"
- Award Ceremony of the "Innovation Award Laser Technology 2014"

Thursday, May 8, 2014

- AKL'14 – Laser Technology Conference
- Accompanying Sponsors' Exhibition
- "Laser Technology Live" at Fraunhofer ILT
- Get-Together at "Schloss Rahe"

Friday, May 9, 2014

- AKL'14 – Laser Technology Conference
- Accompanying Sponsors Exhibition

TOPICS May 7, 2014

Seminar Laser Technology ABC's

- Functioning of the Laser Processing Methods
- Application Areas of Lasers
- Practical Examples
- Choice of Suitable Optics
- Monitoring of Laser Manufacturing Processes
- Current Trends

Technology Business Day

- International Laser Markets
- Laser Markets in USA and South America
- Laser Market in China
- Material Trends and Technological Challenges for Laser Applications

EU Innovation Forum

"Laser Additive Manufacturing (LAM) in Aeronautics"

- Overview of the Complete Process Chain of LAM
- LAM Machine Integration in Product Lines in the Aeronautics Sector
- Adaptive Machining in the LAM Process Chain

TOPICS: May 8 - 9, 2014 – LASER TECHNOLOGY CONFERENCE
Laser Beam Sources

- Solid State and Fiber Lasers
- Ultrashort Pulse Lasers
- Lasers with Tailored Wavelength
- Diode Lasers

Laser Material Processing Macro

- Laser Welding
- Laser Cutting
- Laser Additive Manufacturing
- Process Control in Laser Manufacturing

Laser Material Processing Micro

- Micro and Nano Structuring
- Fundamentals and Applications: Materials Processing with USP-Lasers
- Micro Joining
- Micro Drilling

Further Information and Photos at: www.lasercongress.org

LASER TECHNOLOGY LIVE

86 Live Presentations and Exhibits at the Fraunhofer Institute for Laser Technology ILT and Companies in the Institute's Application Center

EXHIBITION

47 Laser, Component and System Manufacturers showcase their products at the Accompanying Exhibition

SUPPORTING ORGANISATIONS

- Arbeitskreis Lasertechnik e.V.
- ELI – European Laser Institute
- EPIC – European Photonics Industry Consortium
- European Commission
- SPECTARIS – German Industry Association for Optical, Medical and Mechatronical Technologies
- VDA – German Association of the Automotive Industry
- 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 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 Award Ceremony will take place on May 7, 2014 at the Evening Event of the AKL'14 in the Coronation Hall of Aachen's Town Hall.

Further Information and Photos at: www.innovation-award-laser.org