



Are you looking for a forum where users, manufacturers and developers can intensively exchange ideas on the current state and perspectives of laser technology? Do you appreciate personal networking of technology suppliers and customers, all to develop new strategies for your area of responsibility and to profit from experience from this sector? Then you have found the right event, the AKL'14.

For the 10th time, laser manufacturers and laser users from various branches will meet at the biannual International Laser Technology Congress AKL. Featuring over 600 participants, around 70 speakers and over 40 sponsors, the AKL has established itself as the leading forum for applied laser technology in Europe. Supporting organizations include European Commission, European Photonics Consortium EPIC, the Arbeitskreis Lasertechnik e.V., European Laser Institute as well as industrial associations such as SPECTARIS, VDA, VDMA and VDI.

Join us and profit from AKL's international character, thanks to its simultaneous translations in German and English. In addition, you can use the environment of the congress to find out more about the newest technological breakthroughs in over 70 live presentations of the Fraunhofer ILT.

We look forward to seeing you there!



Prof. Dr. rer. nat. Reinhart Poprawe M.A.  
Director of the Fraunhofer Institute for Laser Technology ILT

#### Organization

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#### Supporting Organizations

- 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

#### Media Partner



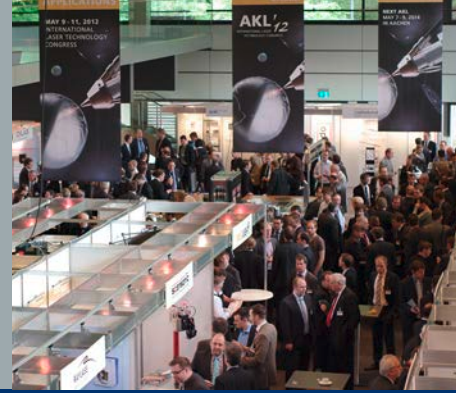
## AKL – INTERNATIONAL LASER TECHNOLOGY CONGRESS

MAY 7 - 9, 2014 IN AACHEN

WWW.LASERCONGRESS.ORG



**AKL'14**  
INTERNATIONAL LASER  
TECHNOLOGY CONGRESS



## AKL'14 – INFORMATION, INSPIRATION, NETWORKING

### AKL'12 - FACTS AND FIGURES

- over 600 Participants
- 76 Speakers
- 79 Live Presentations
- 45 Exhibitors

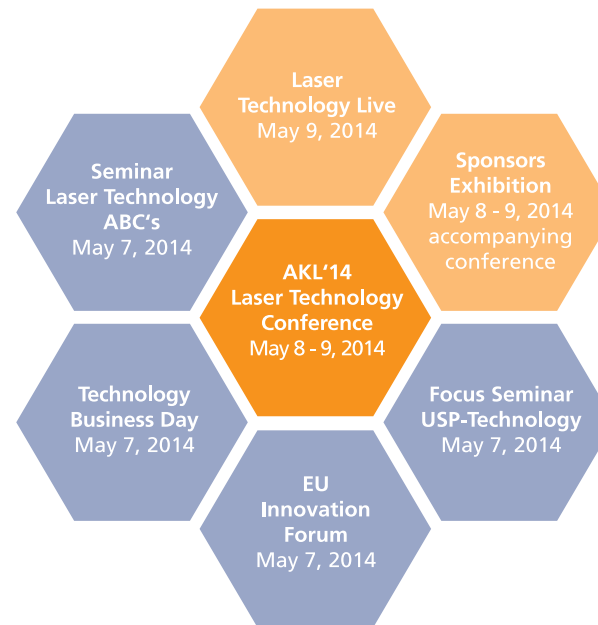
The **Technology Business Day** is directed at leading managers and marketing directors who want specific information on the status and perspectives in the European, American and Asian laser markets.

You have little or no experience in how laser technology can be used? Then you can obtain the foundations on how lasers work and where they can be applied in the **Laser Technology ABC's** seminar.

The **EU Innovation Forum 'Laser Additive Manufacturing (LAM) in Aeronautics and Power Generation'** offers experts from the aeronautics and energy sector the opportunity to exchange information in the area of additive manufacturing.

The **Focus Seminar 'Foundations and New Developments in Ultrashort Pulse Laser Technology'** offers laser users from the sectors of micro, solar, medicine and tool technology the opportunity to intensively discuss the current applications and perspectives of the innovative USP lasers.

→→ [www.lasercongress.org](http://www.lasercongress.org)



### Laser Technology Conference AKL'12

Over 70 experts from research and industry will bring you up to date on the current trends in laser technology. In particular, practitioners and strategists from the automotive industry, the aviation and machine construction, electronic as well as medical technology can obtain new ideas for their individual applications through practical examples. In professional lectures and discussion forums or at the live demonstrations, experience what is current and relevant for the future in laser technology.

At the accompanying **Sponsors' Exhibition**, noteworthy companies from laser engineering show innovative products and processes, encompassing all aspects of laser technology, to interested congress participants.

### Laser Technology Live

Over 70 Live presentations will take place at the Application Center of the Fraunhofer Institute for Laser Technology ILT.

### MAIN TOPICS

#### Gerd Herziger Session

- Digital Photonic Production – Customized Solutions for Today's and Future Markets

#### Laser Beam Sources

- Solid State and Fiber Lasers
- Ultrashort Pulsed Lasers
- Frequency-doubled Lasers
- Diode Lasers

#### Laser Manufacturing Processes in Macro Areas

- Laser Welding and Laser Cutting
- Process Monitoring in Laser Material Processing
- Additive Laser Manufacturing Processes

#### Laser Manufacturing Processes in Micro Areas

- Micro- and Nanostructuring
- Polishing and Thin Film Processes
- Micro Joining
- Micro Drilling