

**Fraunhofer Institute
for Laser Technology ILT**

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Supporting Organizations

- Arbeitskreis Lasertechnik e.V.
- EUROM - European Federation of Precision Mechanical and Optical Industries
- European Commission
- ELI - European Laser Institute
- SPECTARIS - German Industry Association for Optical, Medical and Mechatronical Technologies
- VDA - German Association of the Automotive Industry
- VDI Technology Center
- VDMA - German Engineering Federation

www.lasercongress.org
akl08@lasercongress.org

Media Partner



**LASER
TECHNIK
JOURNAL**

AKL '08

INTERNATIONAL LASER
TECHNOLOGY CONGRESS



LASER TECHNOLOGY

APPLICATIONS & TRENDS

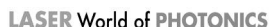
MAY 7 - 9, 2008

EUROGRESS AACHEN



Fraunhofer
Institut
Lasertechnik





Are you looking for a forum at which users and manufacturers of lasers can meet with R&D specialists to share their experience and learn about the newest developments in the field? Would you like to get together with likeminded pro-

fessional people from different sectors of industry to discuss the latest trends in laser technology and gather ideas for future activities, without the rush of overcrowded conference venues or trade-shows? Then AKL'08 is the right event for you! For the seventh time, laser manufacturers and users from diverse areas of industry will be meeting in Aachen for the 2-yearly International Laser Technology Congress AKL. Featuring over 400 participants, around 50 conference speakers and 30 sponsors, this event has established a reputation as Germany's leading forum for applications of laser technology in the production environment. Supporting organizations include European Commission, ELI and industrial associations such as EUROM, SPECTARIS, VDA, VDMA and VDI. And AKL'08 will extend the scope for exchanging new practically-based ideas by inviting overseas participants for the first time. All lectures are being made available in both German and English versions. The AKL forum has thereby opened its doors to a mixed European and global circle of users.

Regardless of the user's specific area of interest, be it automotive engineering, aircraft engineering, electrical engineering, microsystems engineering, mechanical engineering or machine tools, AKL'08 will present all users with interesting innovations. Here at the Fraunhofer Institute for Laser Technology, in view of the resoundingly positive response by visitors to the last edition of the AKL Congress, we are convinced that we will be able to meet your needs again in 2008. We very much look forward to meeting you at the congress.

Prof. rer. nat. Reinhart Poprawe M.A.
Director of the Fraunhofer Institute for Laser Technology ILT
Vice Rector of RWTH Aachen University

Networking at the AKL'08. Use the Opportunity to expand your Contacts and meet...

...at the Technological Conference Part of AKL'08:

- Experienced or future laser users
- Developers of laser systems from industry and research
- Engineers in production and research
- Company executives and strategic analysts with an interest in innovative developments in laser technology
- Research scientists working in applied research

...at the Seminar »Laser Technology ABC's«:

- Operations staff from the manufacturing sector looking for an introduction to laser technology
- Laser users seeking a structured overview of laser beam sources and processes, the range of possible applications, and technological trends
- Experienced lecturers with a background in laser practice

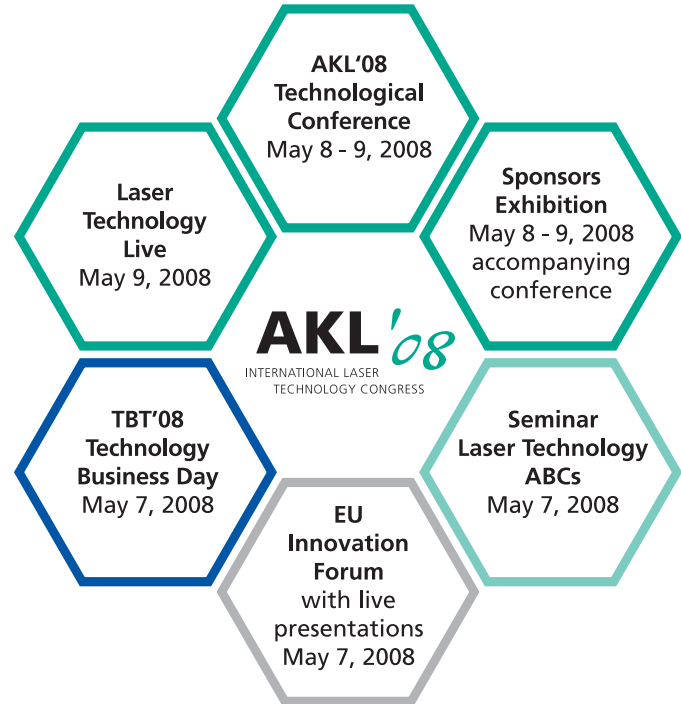
...at the EU Innovation Forum

»Laser Material Processing in Aeronautics«:

- Participants of collaborative projects dealing with laser material processing in aeronautics
- Potential R&D partners for EU founded projects

...at the »Technology Business Day«:

- Business executives and corporate managers wishing to gather explicit information on the present status and the future prospects of the laser markets
- Marketing executives and sales managers working for laser vendors and users
- Specialists in the laser market and laser industry insiders
- Investors



Social Program

- Get-Together at the Museum »Ludwig Forum for International Art« on May 7, 2008
- Gala Dinner in the sophisticated and historical ambience of the »Coronation Hall« in the City Hall Aachen with presentation of the »Innovation Award Laser Technology« on May 8, 2008

Conference Language

- Lectures are presented in English and German with simultaneous interpreting



Laser Technology Conference AKL'08

The target group addressed by the technology conference program of AKL'08 comprises vendors and users of laser technology processes and systems for use in the production environment. The content is designed to appeal equally to laser manufacturers and system providers and to laser users in diverse sectors of manufacturing industry. More particularly, it offers a prime opportunity for operations staff and corporate strategy managers from the automotive and aircraft engineering, machine tools, electronics and electronic engineering, tool and mold making industries, and the metalworking and optical industries, to meet with representatives of the laser community and discuss relevant aspects of the technology.

In addition to the laser manufacturers, R&D experts of the Fraunhofer Institute for Laser Technology ILT, along with the laser-related chairs and institutes of RWTH Aachen University, will be present at the conference to answer any questions you might have concerning possible uses of innovative laser beam sources and processes in micro and macro machining. Presentations by end-users describing their practical experience offer a further means of discovering the high quality of work and cost-effective solutions that are currently being applied in typical manufacturing tasks. All in all, you will be able to obtain a comprehensive view of the main trends and prospects for laser technology in the manufacturing sectors of industry.

»Laser Technology Live« Presentation at the Fraunhofer ILT

The highlight of the AKL'08 are the live presentations which will be demonstrated on the premises of the Fraunhofer Institute for Laser Technology ILT, the Chairs LLT, TOS and NLD of the RWTH Aachen University and by the companies hosted by its Application Center. Around 60 Live Presentations will demonstrate the newest laser technology expertise and developments of applied research.

A list of the actual Live Presentations will be released on web site www.lasercongress.org

Seminar Laser Technology ABC's

This seminar specifically targets companies that have not had to deal with laser technology before - neither as vendors nor as users. Novices to the laser world are able to learn in a clearly structured format how laser machining processes work, what type of laser is employed for different applications, which areas of industry use laser technology, how to determine the specific cases where laser processing is a worthwhile option, what services are offered by laser subcontracting firms, and what trends and prospects have been identified for various aspects of laser technology.

It is the ideal way for prospective end-users of laser technology and interested strategy managers to obtain a rapid overview of the subject. The lecture sessions presented by qualified laser professionals are followed by an informal Get-Together, allowing seminar participants to make direct contact with providers of laser technology systems and beam sources.

There is no faster or more efficient way to gain an introduction to the world of laser technology!



EU Innovation Forum: »Laser Material Processing in Aeronautics«

At the EU Innovation Forum »Laser Material Processing in Aeronautics«, members of collaborative EU projects meet to discuss the results of their R&D work. There is also an intensive exchange of experiences with technology suppliers in the laser sector and technology users in the aircraft industry.

The EU Innovation Forum focuses on the topic of laser production technology in the aircraft industry. In three parallel sessions, participants discuss the technological aspects of generative, joining and surface pre-treatment laser processes and their application in the production of aircraft components and the provision of MRO services.

The objective of the three round tables is to develop concepts for new collaborative projects designed to tackle hitherto unsolved technological challenges in this field. At the end of the EU Innovation Forum, participants can discuss the successful results of the R&D work in a series of live presentations at the applications center of the Fraunhofer ILT.

This seminar will only be presented in English without simultaneous interpreting.

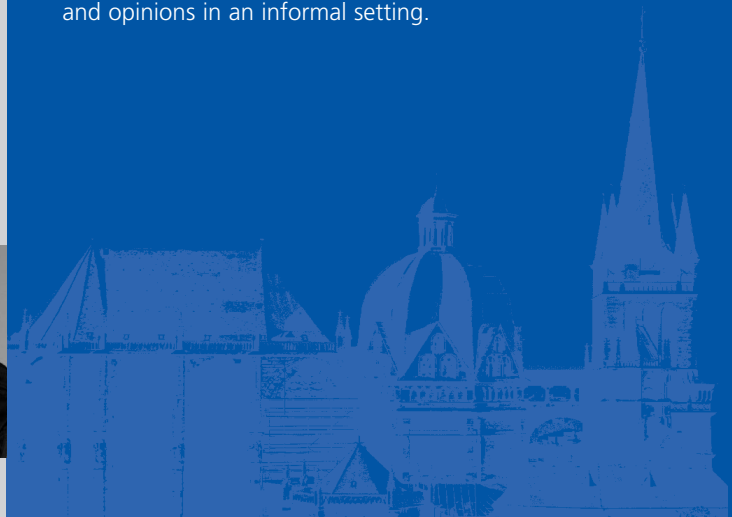


Technology Business Day

This event is directed at marketing managers, sales executives, company directors and senior managers who wish to obtain specialized information on the current status and future prospects of the laser technology markets. The information presented by industry insiders and market specialists is also of value to technology brokers, management consultants, market analysts and investors.

The European, American, Chinese and Japanese markets for laser products are analyzed on the basis of market studies. A breakdown of the relevant sales regions is presented. Market forecasts are drawn up on the basis of current technological developments and end-user requirements. A closer look is taken at the automotive, metalworking and electronics industries as illustrative examples of the challenges that laser technology must solve in order to meet the requirements of manufacturing applications. These are then translated into the trends that laser technology will follow in future years.

The Technology Business Day is intended as a forum and platform for decision-makers tasked with devising product and business strategies, and as such forms a complement to the more technically oriented aspects of the AKL'08 Congress. An evening Get-Together rounds off the Technology Business Day, allowing participants to continue their exchange of ideas and opinions in an informal setting.



EU INNOVATION FORUM

from 08:00

Registration

09:00

Welcome

Prof. Dr. Reinhart Poprawe M.A.,
Fraunhofer ILT, Aachen (D)

09:15

Opening Speech: Scope of the EU 7th Framework Program for Research and Development Activities in Aeronautics

Liam Breslin, Unit »Aeronautics«,
European Commission, Brüssel (B)

09:30

Keynote Speech: Challenges in Manufacturing and Repairing in the Aircraft Industry and the resulting demands on Laser Material Processing

Prof. Stewart Williams PhD, Cranfield
University, Cranfield Bedfordshire (GB)

10:00 - 10:30

Coffee Break

10:30 - 16:00

Sessions 1 - 3 (parallel)

1 2 3

Session 1

Additive Manufacturing and Laser Drilling

Chairman: Dr. Ingomar Kelbassa, LLT/RWTH,
Aachen (D)

10:30

Presentation of EU Project FANTASIA

Dr. Konrad Wissenbach, Fraunhofer ILT, Aachen (D)

11:00

Presentation of EU Project AROSATEC

David Rainsford, SR Tech. Airfoil Serv. Ltd, Cork (IRL)

11:30

Laser Drilling in the Aircraft Industry

Dr. Mark Geisel, MTU Aero Engines GmbH,
München (D)

Session 2

Laser Welding

Chairwoman: Mrs. Delphine Allehaux,
EADS France Innovation Works, Suresnes (F)

10:30

Presentation of EU Project WEL-AIR

Frank Palm, EADS France Innov. Works, Suresnes (F)

11:00

Process Control of Laser Welding in Aircraft Construction

Dipl.-Phys. Markus Kogel-Hollacher,
Precitec Optronik GmbH, Rodgau (D)

11:30

Laser Welding of Fibre reinforced Thermoplastic Materials

Coert Kok, Advanced Fiber Placement
Technology BV, Sprang-Kapelle (NL)

Session 3

Laser Cleaning, Ablating, Structuring

Chairman: Dipl.-Ing. Edwin Büchter,
Clean-Lasersysteme GmbH, Herzogenrath (D)

10:30

Presentation of EU Project COINS

Dr. Stephen Morgan, BAE Systems, London (GB)

11:00

Presentation of EU Project TOPPCOAT

Dr. Robert Vaßen, Forschungszentrum Jülich (D)

11:30

Presentation of EU Project SENARIO

Dipl.-Ing. Frank Völkermeier, LZH, Hannover (D)

12:30 - 14:00

Lunch

14:30 - 16:00

Sessions 1 - 3 (Roundtables)

1 2 3

Session 1

Roundtable

Additive Manufacturing and Laser Drilling

- Dr. Mark Geisel, MTU Aero Engines, München (D)
- Dr. Gregor Kappmeyer, Rolls-Royce, Oberursel (D)
- Dr. Andrzej B. Podsadowski,
European Commission, Brussels (B)
- David Rainsford, SR Technics Airfoil Services Ltd,
Cork (IRL)
- Dr. Konrad Wissenbach, Fraunhofer ILT, Aachen (D)

Session 2

Roundtable

Laser Welding

- Peggy Gressel-Manara, Inst. de Soudure, Paris (F)
- Dipl.-Ing. Rainer Kocik, Airbus Deutschland GmbH,
Bremen (D)
- Dipl.-Phys. Markus Kogel-Hollacher,
Precitec Optronik GmbH, Rodgau (D)
- Coert Kok, Advanced Fiber Placement
Technology BV, Sprang-Kapelle (NL)
- Pablo Perez-Illana, European Commission,
Brussels (B)
- Prof. Stewart Williams PhD, Cranfield University,
Cranfield Bedfordshire (GB)

Session 3

Roundtable

Laser Cleaning, Ablating, Structuring

- Dr. Stephen Morgan, BAE Systems, London (GB)
- Dr. Robert Vaßen, Forschungszentrum, Jülich (D)
- Dipl.-Ing. Frank Völkermeier, LZH, Hannover (D)

16:30 - 18:30

(Shuttle Transfer)

Live-Presentations at Fraunhofer ILT

Innovative Laser Applications in Aeronautics

19:00 - 22:30

Evening Event Get-Together (Doors open 18:00)

Ludwig Forum for International Art

LASER TECHNOLOGY ABC'S

- from 09:30** **Registration** and Coffee Reception
- 10:30 - 12:30** **Laser Technology ABC's - Part A**
Chairman: Dipl.-Phys. Christian Hinke,
PhotonAix e.V., Aachen (D)
- 10:30** **How does Laser Materials Processing work?**
Dr. Stefan Kaielerle, Fraunhofer ILT, Aachen (D)
- 11:00** **Which Laser for which Application?**
Dr. Christoph Hertzler, TRUMPF Laser-
und Systemtechnik GmbH, Ditzingen (D)
- 11:30** **Where is Laser Technology
utilized in Industry?**
Dipl.-Ing. Markus Rütering,
ROFIN-SINAR Laser GmbH, Hamburg (D)
- 12:00** **Discussion**
- 12:30 - 14:00** **Lunch**
- 14:00 - 16:00** **Laser Technology ABC's - Part B**
Chairman: Dr. Stefan Kaielerle,
Fraunhofer ILT, Aachen (D)
- 14:00** **Which Optics are used in Laser Material
Processing? Which is the best choice
for Users?**
Dipl.-Ing. Dirk Hauschild, LIMO Lissotschenko
Mikrooptik GmbH, Dortmund (D)
- 14:30** **How are Laser Manufacturing Processes
monitored and controlled?**
Dr. Otto Märten, PRIMES GmbH, Pfungstadt (D)
- 15:00** **Which Trends can be identified
in Laser Technology?**
Dipl.-Phys. Christian Hinke,
PhotonAix e.V., Aachen (D)
- 15:30 - 16:00** **Discussion**
- 19:00 - 22:30** **Evening Event Get-Together** (Doors open 18:00)
Ludwig Forum for International Art

TECHNOLOGY BUSINESS DAY

- from 13:00** **Registration** and Coffee Reception
- 14:00 - 18:30** **Technology Business Day**
Chairman: Prof. Dr. Peter Loosen,
Fraunhofer ILT, Aachen (D)
- 14:00** **European and Global Laser Markets**
Dr. Arnold Mayer,
Optech Consulting, Tägerwilten (CH)
- 14:40** **Laser Markets in USA**
David A. Belforte,
Belforte Associates, Sturbridge (USA)
- 15:10** **Laser Markets in Japan**
Prof. Dr. Isamu Miyamoto,
Osaka University, Osaka (J)
- 15:40** **Laser Applications and Markets in China**
Dr. Henry Peng, GE Global Research
Center Shanghai, Shanghai (CN)
- 16:10 - 16:45** **Coffee Break**
- 16:45** **Challenges and Trends of Laser Material
Processing in Microtechnology**
Dr. Arnold Gillner, Fraunhofer ILT, Aachen (D)
- 17:15** **Challenges and Trends of Laser Material
Processing in Automotive**
Dr. Michael Zürn,
Daimler AG, Stuttgart (D)
- 17:45** **The Use of the latest Solid State Laser
Technology for Innovative Products and
Processes**
Dipl.-Ing. Stefan Wischmann,
ThyssenKrupp Steel AG, Duisburg (D)
- 18:15 - 18:30** **Discussion**
- 19:00 - 22:30** **Evening Event Get-Together** (Doors open 18:00)
Ludwig Forum for International Art

PROGRAM

CONFERENCE AKL'08

from 08:00	Registration
08:00 - 18:00	Exhibition by AKL Sponsors
08:30 - 12:30	Gerd Herziger Session: Laser Beam Sources and Systems Chairman: Prof. Dr. Reinhart Poprawe M.A., Fraunhofer ILT, Aachen (D)
08:30	Welcome Prof. Dr. Reinhart Poprawe M.A., Fraunhofer ILT, Aachen (D)
08:40	Opening Address Dr. Janez Potočnik, European Commission, Brüssel (B)
08:45	Introduction »Lasers and Markets 2012« Prof. Dr. Reinhart Poprawe M.A., Fraunhofer ILT, Aachen (D)
09:00	Lasers and Optical Assemblies in System Solutions Dr. Michael Mertin, Jenoptik AG, Jena (D)
09:30	High Power EUV Sources for the next Generation of Microchips Dr. Joseph Pankert, Philips Lighting B.V., Eindhoven (NL)
10:00 - 11:00	Visit of the Sponsors Exhibition Coffee Break
11:00	Status Quo and Perspectives of robot based Laser System Technology Dr. Eberhard Kroth, Reis Robotics - Reis GmbH & Co. KG Maschinenfabrik, Obernburg (D)
11:30	Fiberlaser: Beam Sources and Applications Dr. Tony Hoult, SPI Laser LLC, Santa Clara (USA)
12:00	Cluster of Excellence of RWTH Aachen University: Integrative Production Technology for High-Wage Countries Prof. Dr. Robert Schmitt, RWTH Aachen/ Werkzeugmaschinenlabor WZL, Aachen (D)
12:30 - 14:30	Lunch Visit of the Sponsors Exhibition

CONFERENCE AKL'08

14:30 - 16:00	Sessions 1 + 2 (parallel)	1 2
Session 1	Macro Machining: Laser Cutting Chairman: Dr. Dirk Petring, Fraunhofer ILT, Aachen (D)	
14:30	4D Laser Material Processing - Experience of a Job Shop Dr. Ralf Polzin, VIA Lasertec GmbH & Co. KG, Kirchhundem (D)	
15:00	5-Axes Laser Cutting within the Process Chain of 3D Sheet Metal Manufacturing Hartmut Arzner, Feinwerktechnik hago GmbH, Küssaberg (D)	
15:30	3D Laser Cutting with Fiber Laser Dipl.-Ing. Norbert Höppe, Reis Robotics - Reis GmbH & Co. KG Maschinenfabrik, Obernburg (D)	
Session 2	Micro Machining: Precision Joining Chairman: Dr. Arnold Gillner, Fraunhofer ILT, Aachen (D)	
14:30	Innovative Laser Welding Processes in Microtechnology: TWIST and SHADOW Dr. Alexander Olowinsky, Fraunhofer ILT, Aachen (D)	
15:00	Application of Laser Welding Processes for the Manufacturing of Endoscopes Dr. Uwe Schöler, Olympus Winter & IBE GmbH, Hamburg (D)	
15:30	Laser Welding of Plastics: A Key Technology Dr. Ulrich Andreas Russek, Huf Tools GmbH, Velbert (D)	
16:00 - 16:30	Visit of the Sponsors Exhibition Coffee Break	

PROGRAM

CONFERENCE AKL'08

16:30 - 18:00

Sessions 1 + 2 (parallel)

1 2

Session 1

Macro Machining: Laser Welding

Chairman: Prof. Dr. Wolfgang Schulz,
Fraunhofer ILT, Aachen (D)

16:30

Increasing Productivity by Laser Remote Welding with Roboscan

Dr. Peter Rippl,
KUKA Systems GmbH, Augsburg (D)

17:00

Application of Numerical Welding Simulation for Distorsion Optimization of Beam Welded Parts

Prof. Dr. Michael Rethmeier, Dr. Christoph Schwenk
BAM, Berlin (D)

17:30 - 18:00

Process Monitoring and Control of Laser Beam Welding

Dr. Stefan Kaierle, Fraunhofer ILT, Aachen (D)

Session 2

Micro Machining: Solar Technology

Chairman: Dr. Alexander Olowinsky,
Fraunhofer ILT, Aachen (D)

16:30

Laser Applications in Photovoltaics - Now and in the Future

Dr. Martin H. Sommer,
SCHOTT Solar Inc., Billerica (USA)

17:00

Highspeed Laser Structuring in Photovoltaics

Dr. Uwe Stute,
TRUMPF Laser GmbH & Co. KG, Schramberg (D)

17:30 - 18:00

Laser Drilling in Solar Technology

Dr. Martin Fleuster,
Solland Solar Cells BV, Heerlen (NL)

19:30 - 23:00

Awards Ceremony (Doors open 19:00)
at »Coronation Hall« City Hall Aachen

- Lecture
- Presentation of the »Innovation Award Laser Technology 2008«
- Gala Dinner with Social Program

CONFERENCE AKL'08

from 08:00

Registration

08:00 - 13:00

Exhibition by AKL Sponsors

08:30 - 10:00

Sessions 1 + 2 (parallel)

1 2

Session 1

Macro Machining: Laser Cladding

Chairman: Dr. Ingomar Kelbassa,
LLT/RWTH, Aachen (D)

08:30

New Developments in Laser Cladding for Industrial Manufacturing Processes

Dr. Andres Gasser, Fraunhofer ILT, Aachen (D)

09:00

Laser Cladding in the Tool and Automotive Industry

Dipl.-Ing. Ulrich Berners, LBBZ, Geilenkirchen (D)

09:30

Moving from Development to Production

Martin Spallek, Rolls-Royce Deutschland
Ltd. & Co. KG, Oberursel (D)

Session 2

Micro Machining: Functionalizing

Chairman: Dr. Jochen Stollenwerk,
TOS/RWTH, Aachen (D)

08:30

Ablating with Ultra-Short Pulsed Lasers in Micro Machining

Dipl.-Ing. Tino Petsch,
3D-Micromac AG, Chemnitz (D)

09:00

Large Scale Laser Microstructuring in the Printing Industry

Dr. Guido Hennig,
Max Daetwyler AG, Bleienbach-Langenthal (CH)

09:30

Production Technology for Transparent and Conducting Nano Layers

Dr. Dieter Adam, Evonik Degussa GmbH, Marl (D)

10:00 - 11:00

Visit of the Sponsors Exhibition

Coffee Break

PROGRAM

11:00 - 12:30

Sessions 1 + 2 (parallel)

1 2

Session 1

Macro Machining: Structuring and Polishing

Chairman: Dr. Wilhelm Meiners,
Fraunhofer ILT, Aachen (D)

11:00

New Developments in Polishing with Lasers

Dr. Edgar Willenborg,
Fraunhofer ILT, Aachen (D)

11:30

Fabrication of Ultra Hydrophobic Surfaces by Femtosecond Pulsed Laser Structuring

Ir. Max Groenendijk (UT), Dept. of Mechanical Engineering / University of Twente, Enschede (NL)

12:00

5-Axes Micro Structuring of geometrically Complex Components and Tools

Dr. Mario Kordt, Freudenberg Anlagen- & Werkzeugtechnik KG, Laudenbach (D)

Session 2

Micro Machining: Drilling and Ablating

Chairman: Dipl.-Ing. Welf Wawers,
Fraunhofer ILT, Aachen (D)

11:00

Optimizing Laser Drilling Processes by Simulation

Prof. Dr. Wolfgang Schulz,
Fraunhofer ILT, Aachen (D)

11:30

Laser Drilling in Industrial Use: Strategies and Applications

Dr. Ulrich Dürr,
LASAG AG, Thun (CH)

12:00

Laser Drilling/Ablation of Shaped Holes in Turbine Components

Richard Baxter,
SAUER-Lasertec GmbH, Luton (UK)

12:30 - 12:50

Research Funding Programs in Optical Technologies - Quo Vadis?

Dr. Hans Eggers, BMBF Bundesministerium für Bildung und Forschung, Bonn (D)

12:50 - 13:00

Outlook

Prof. Dr. Reinhart Poprawe M.A.,
Fraunhofer ILT, Aachen (D)

13:00 - 13:45

Shuttle Transfer to Fraunhofer ILT

13:45 - 15:00

Lunch at Fraunhofer ILT

15:00 - 18:30

»Laser Technology Live«

with more than 60 Live Presentations at the Fraunhofer Institute for Laser Technology ILT, the Chairs LLT, TOS and NLD of the RWTH Aachen University and the Companies of the Fraunhofer ILTs Application Center, e.g.

- Beratron GmbH
- inno-shape GmbH
- IQ Evolution GmbH
- Laserfact GmbH

15:00 - 18:30

Shuttle Transfer to Eurogress

Program subject to minor changes.



OPENING HOURS

EU Innovation Forum

Wednesday, May 7, 2008, 9:00 am - 6:30 pm
 Sofitel Quellenhof, Monheimsallee 52, 52062 Aachen
 Check-In-Counter: Foyer Sofitel Quellenhof
 Registration from 8:00 am

Seminar Laser Technology ABCs

Wednesday, May 7, 2008, 10:30 am - 4:00 pm
 Sofitel Quellenhof, Monheimsallee 52, 52062 Aachen
 Check-In-Counter: Foyer Sofitel Quellenhof
 Registration from 9:30 am

Technology Business Day

Wednesday, May 7, 2008, 2:00 pm - 6:30 pm
 Sofitel Quellenhof, Monheimsallee 52, 52062 Aachen
 Check-In-Counter: Foyer Sofitel Quellenhof
 Registration from 1:00 pm

AKL'08 - Technological Conference

Thursday, May 8, 2008, 8:30 am - 6:00 pm
 Friday, May 9, 2008, 8:30 am - 1:00 pm
 Eurogress Aachen, Monheimsallee 48, 52062 Aachen
 Conference Office: Eurogress Main Entrance
 Registration May 8/9, 2008 from 8:00 am
 (May 7, 2008 also in the Foyer Sofitel Quellenhof till 6:00 pm)

»Laser Technology Live«

Friday, May 9, 2008 from 3:00 pm - 6:30 pm
 Fraunhofer Institute for Laser Technology ILT
 Steinbachstrasse 15, 52074 Aachen
 Shuttle Transfer between Eurogress and Fraunhofer ILT
 1:00 - 2:00 pm and 3:00 - 6:30 pm

AKL Sponsors Exhibition

Thursday, May 8, 2008, 8:00 am - 6:00 pm
 Friday, May 9, 2008, 8:00 am - 1:00 pm
 Foyer Europa and Brussels Hall at the Eurogress

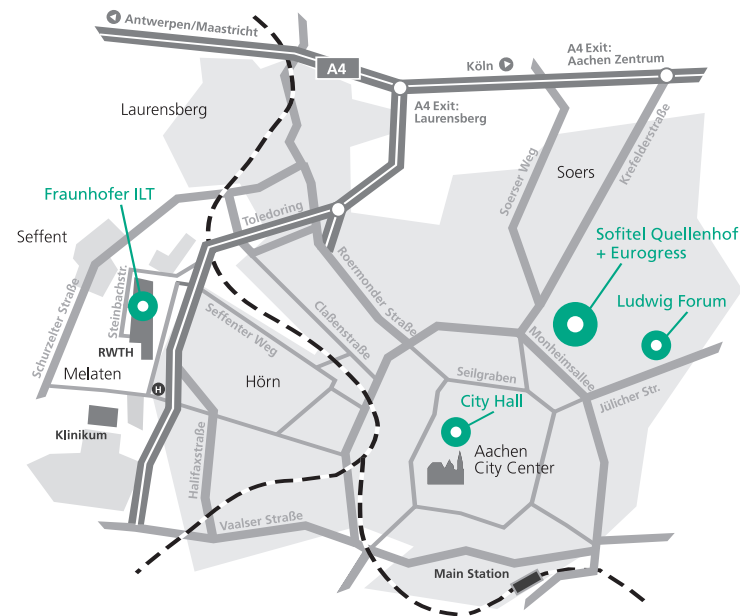
Get-Together

Wednesday, May 7, 2008, 7:00 - 10:30 pm (Doors open 6:00 pm)
 Ludwig Forum for International Art
 Jülicher Strasse 97 - 109, 52070 Aachen

Awards Ceremony with Gala Dinner

Thursday, May 8, 2008, 7:30 - 11:00 pm (Doors open 7:00 pm)
 »Coronation Hall«, City Hall, Markt, 52062 Aachen

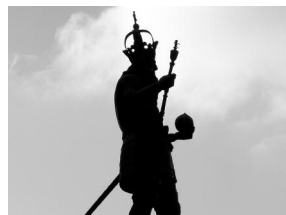
CONFERENCE LOCATIONS

**Parking Garages**

near the Conference locations:

- Sofitel/Eurogress: Parking Garage Eurogress, Monheimsallee
- Ludwig Forum: Parking at the Museum, Lombardenstrasse
- »Coronation Hall« City Hall: Parking Garages Mostardstrasse and Büchel
- Fraunhofer ILT: ILT Parking, Steinbachstrasse 15

For further information regarding parking possibilities in Aachen please visit: www.apag.de



PARTICIPATION CONDITIONS

Registration Fees

The registration fee includes conference proceedings, lunch (except Technology Business Day), coffee breaks and evening program on the booked conference day as well as the shuttle service to the Live Presentations of the Fraunhofer ILT. It is possible to book days separately. Registration Deadline: April 28, 2008

Please be aware of the special discounted registration fees for Early Bird Registration by March 28, 2008

May 7, 2008 - EU Innovation Forum

- 405,- / 450,- EUR (till / from March 28, 2008)
 - 360,- EUR (reduced *)
- incl. Get-Together

May 7, 2008 - Laser Technology ABCs

- 189,- / 210,- EUR (till / from March 28, 2008)
 - 168,- EUR (reduced *)
- incl. Get-Together

May 7, 2008 - Technology Business Day

- 252,- / 280,- EUR (till / from 28, 2008)
 - 224,- EUR ((reduced *)
- incl. Get-Together

May 8, 2008 - AKL'08-Conference (1. Day)

- 441,- / 490,- EUR (till / from March 28, 2008)
 - 392,- EUR (reduced *)
- incl. Awards Ceremony with Gala Dinner and »Laser Technology Live« (May 9, 2008)

May 9, 2008 - AKL'08-Conference (2. Day)

- 405,- / 450,- EUR (till / from March 28, 2008)
 - 360,- EUR (reduced *)
- incl. »Laser Technology Live« (at Fraunhofer ILT) and Awards Ceremony with Gala Dinner (May 8, 2008)

* Reduced registration fee for members of AKL e.V., ELI, PhotonAix e.V. and Public Institutes.

Accompanying Person

- Get-Together (May 7, 2008) - 25,- EUR per person
- Awards Ceremony / Gala Dinner (May 08, 2008) - 60,- EUR per person

PARTICIPATION CONDITIONS

Registration

Please use the registration form in the internet www.lasercongress.org or use the enclosed fax form and send it by fax or postal mail. One form per registrant. Please photocopy for multiple registrants. Upon receipt of your application you will receive a confirmation of your attendance as well as an invoice, which can be paid by credit card (VISA, Mastercard) or bank transfer.

Cancellation

Cancellations of participation at the conference are generally ask to be made in writing. In case of cancellation before April 7, 2008 the fee will be refunded less 30,- EUR handling charges. For cancellations received after April 7, 2008 the full fee will be charged. In this case the conference proceedings will be send to you. We also welcome a substitute participant instead.

Registration On-site

On-site registration you will receive your name badge, the conference proceedings as well as the admission ticket for the booked evening event. Please wear your badge to all conference sessions and events.

Hotels

A certain contingent of hotel rooms with special negotiated prices have been reserved for the participants of AKL'08 (May 6 - 9, 2008). We strongly suggest to make your reservations early as we can not guarantee hotel availability after April 5, 2008. For further information please visit www.lasercongress.org/de/hotels.html

Organization

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Program subject to minor changes.