

Keynote Speakers

Bourell, D. University of Texas, Austin, USA
Keller, U. ETH Zurich, Switzerland
Levy, G. Inspire AG, Switzerland
Neukam, F. Univ. of Erlangen-Nuremberg, Germany
Ostendorf, A. University of Bochum, Germany
Otto, A. University of Erlangen-Nuremberg, Germany
Poprawe, R. Fraunhofer ILT, Aachen, Germany
Turichin, G. University of St. Petersburg, Russia
Watkins, K. University of Liverpool, UK
Zäh, M. Technical University of Munich, Germany
Zeilhofer, H.-F. University Hospital Basel, Switzerland

Scientific Committee

Bach, F.-W. University of Hannover, Germany
Beyer, E. Fraunhofer IWS, Dresden, Germany
Cho, H. KAIST, Daejeon, Republic of Korea
Dearden, G. University of Liverpool, UK
Galarneau, P. Institut National d'Optique, Canada
Geiger, M. Bayerisches Laserzentrum, Erlg., Germany
Graf, T. University of Stuttgart, Germany
Jüptner, W. University of Aberdeen, UK
Kruth, J.-P. University of Leuven, Belgium
Meijer, J. University of Twente, The Netherlands
Miyamoto, I. Osaka University, Japan
Ostendorf, A. University of Bochum, Germany
Otto, A. University of Erlangen-Nuremberg, Germany
Poprawe, R. Fraunhofer ILT, Aachen, Germany
Pou, J. M. University of Vigo, Spain
Schmidt, M. Univ. of Erlangen-Nuremberg, Germany
Schuöcker, D. Technical University of Vienna, Austria
Sepold, G. BIAS, Bremen, Germany
Tönshoff, H. K. Laser Zentrum Hannover, Germany
Turichin, G. University of St. Petersburg, Russia
Vollertsen, F. BIAS, Bremen, Germany (Chairman)
Watkins, K. University of Liverpool, UK
Wu, Y. Shanghai Jiao Tong University, P.R. China
Zäh, M. Technical University of Munich, Germany
Zeilhofer, H.-F. University Hospital Basel, Switzerland

Sponsoring & Exhibition

As a LANE 2010 sponsor or exhibitor you will be provided with an excellent platform for the individual advertising of your innovative products and services close to an international expert public.

Exhibition Packages

SILVER € 1,200 plus VAT (€ 1,428 incl. VAT)

- Participation at the accompanying Exhibition during the entire conference
- One booth wall with a length of 2 metres for posters and banners
- One brochure rack
- One table
- Free conference participation for one of your employees

GOLD € 1,500 plus VAT (€ 1,785 incl. VAT)

- Same benefits as SILVER Package, but one booth wall with a length of 3 metres

Sponsoring Packages

BASIC € 700 plus VAT (€ 833 incl. VAT)

- Listed as an official sponsor of the LANE 2010
- Your company / institute logo appears in the Final Program, the printed conference proceedings and on the sponsor posters at the conference venue*
- Your company / institute logo also appears on the conference homepage with a direct link to your website

EXTENDED € 1,200 plus VAT (€ 1,428 incl. VAT)

- Same benefits as BASIC Package
- Plus one full-page advertisement in the printed conference proceedings (Black/White)*

PROFESSIONAL € 2,400 plus VAT (€ 2,856 incl. VAT)

- Same benefits as EXTENDED Package
- Plus free conference participation for one of your employees
- Plus the chance to present your company / institute at the accompanying Exhibition with the Exhibition Package GOLD (see above)

For further information and booking please refer to www.lane-conference.org or contact the conference office.

**) Services concerning the proceedings can only be provided, if registered by July 9, 2010.*

Venue

The LANE 2010 conference will be held at the campus of the Department of Physics of the Friedrich-Alexander-University Erlangen-Nuremberg.

The town of Erlangen is situated approximately 15 km north of Nuremberg. With approximately 3.5 million inhabitants and 150,000 companies, the Nuremberg Metropolitan Region is a trendsetting centre of national and international importance for Europe. It gives impetus to different developments concerning social, cultural, economic and technological aspects.

Erlangen can easily be reached by car, train or plane (Nuremberg International Airport). Further information on transportation and accommodation will be provided on the LANE website.

Conference Accomodation

Along with the registration confirmation, you will receive a list of suited hotels. You may also want to look at

www.lane-conference.org/venue.html

Post Conference Tour

You are welcome to attend our post conference tour on **September 25, 2010** to the so-called Franconian Switzerland. We will visit the „Devil's Cave“, one of Germany's largest stalactite caves. Since the Franconian Switzerland is known for its beer specialties, we will also enjoy a guided tour at a well-known brewery.

The attendance fee for the post conference tour is € 50.00 (incl. VAT).

www.lane-conference.org

LANE 2010 - Pre-Registration via FAX: +49 - (0)9131 - 977 90 11

Name: Mr.
..... Ms.
First Name: Dr.
..... Prof.
Address:
.....
.....
Phone:
Fax:
E-mail:

YES, I would like to receive further information and...

- I wish to submit a paper. The following keywords characterise my paper's content (choose keywords from the list of conference topics):

.....
As a first step, an abstract (consisting of approx. 300 words) has to be submitted by March 01, 2010 (see guidelines for abstract submission).

- I want to register not as an Author but as a Participant. Please send me the Registration Form.*
 I want to participate as Exhibitor / Sponsor. Please send me the Order Form.*

**) The forms are also available online at www.lane-conference.org*

Conference Organisation

Bayerisches Laserzentrum GmbH (blz) in cooperation with the Chair of Photonic Technologies (LPT), University of Erlangen-Nuremberg

Conference Office

Bayerisches Laserzentrum GmbH (blz)
Konrad-Zuse-Straße 2-6
91052 Erlangen, GERMANY

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Phone: +49 - 9131 - 85 23 239 | +49 - 9131 - 97790 38
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E-Mail: info@lane-conference.org
URL: www.lane-conference.org

6th International Conference & Exhibition
on Photonic Technologies

LANE 2010

September 21-24, 2010 - Erlangen, Germany



Second Announcement and Call for Papers

Photo: Fuchs / blz

Deadline Abstract Submission: March 01

*All papers will be reviewed and published
online on Physics Procedia*



Conference Scope

At an ever faster rate, fundamental research produces new results, qualifying Photonic Technologies for more and more applications. It is the aim of the LANE 2010 to join researchers and engineers, so that scientific advances and economic needs can be matched for mutual benefit. From both an academic and an industrial point of view, the sixth LANE 2010 focuses on Photonic Technologies. Of special interest are Laser Material Processing and Laser Applications in Mobility, Life Sciences, Information Technology and Energy Generation, Transmission and Storage.

The chance to attend research- but also application-oriented talks will allow participants to get informed about actual advances in specific branches of industry as well as the latest results in science. Deeper insight in specific fields of research will be provided by the Special Session on Additive Manufacturing and the Young Academics Session of the Erlangen Graduate School in Advanced Optical Technologies. The accompanying exhibition will set a fitting framework for discussions during the breaks, enabling exhibitors to present their innovative products and ideas to an international expert public.

In order to guarantee a high scientific standard and good visibility of the authors work, all submitted papers will be reviewed and accepted papers will be visible online for five years on Elsevier's e-only journal Physics Procedia.

Another highlight of LANE 2010 will be the Erlangen Innovation Award Optical Technologies. This award will honor excellent achievements in the field of Laser Technology and Application, such as new products, inventions or patents. Furthermore the honorary title „Knight of Laser Technology“ will be awarded to a scientist who rendered outstanding services to Laser Technology.

The sixth LANE conference will bring together international experts sharing the enthusiasm for the power of light - we will welcome you all.

Erlangen, January 2010

Michael Schmidt

Manfred Geiger

Conference Topics

The main focus of the LANE 2010 is on **Photonic Technologies** and especially **Laser Material Processing**. The topics **Mobility**, **Life Sciences**, **Information Technology** and **Energy** are of special importance. Within these application fields the submitted papers should concern one of the following topics:

- Beam Sources**
especially ultrashort pulse lasers, advanced solid state lasers, high-brightness diode lasers
- Components**
devices for beam shaping and guidance, robotics and automation
- Processes**
laser-based cutting, joining, surface treatment, forming, rapid manufacturing and tooling
- Process Optimisation**
process sensing and controlling, simulation

SPECIAL SESSIONS

LANE 2010 will go beyond photonics and will also illuminate associated technologies. The topics within the **Collaborative Research Center 694** (German Research Foundation) will deal with the integration of electronic components into mobile systems. Another special session of the LANE 2010 will deal with **Additive Manufacturing**.

YOUNGACADEMICS and POSTER SESSION

A highlight of the 6th LANE will be the talks and posters of the young scientists of the **Erlangen Graduate School in Advanced Optical Technologies (SAOT)**. Their focus will be on optical metrology, optical material processing, optics in medicine, optics in communication, optical materials and systems, and computational optics.

Submission of Abstracts

As a first step, abstracts must be submitted to the Conference Office by March 01, 2010. They should consist of approx. 300 words. Please provide the following information:

1. Author(s) (please underline correspondent)
2. Full address for correspondence
3. Title of paper
4. Classification: research or industrial application
5. Keyword(s):
Please choose at least one from the list on the left.
6. Abstract (approx. 300 words)

Please send abstracts as MS-Word documents or as PDF-files written in English to the Conference Office. All submitted abstracts and papers will be reviewed.

As a next step, you will receive a template for your paper together with the positive notification of acceptance on March 05, 2010.

It is expected that one of the authors presents the paper personally at the conference.

For further information please visit www.lane-conference.org or contact us directly.

LANE 2010 - Time Schedule

First announcement and first call for papers	October 2009
Second announcement and second call for papers	January 2010
Submission of abstracts	March 01, 2010
Notification of acceptance	March 05, 2010
Submission of full papers	April 19, 2010
Notification of paper review results	June 07, 2010
Closing date Innovation Award	June 30, 2010
Submission of final revised papers	July 05, 2010
Final Conference Program	August 31, 2010
Deadline for Registration	September 10, 2010

LANE 2010 Conference September 21-24, 2010

Conference Proceedings

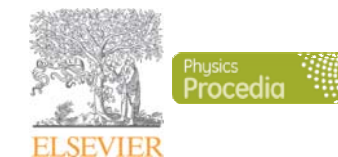
The proceedings of the LANE 2010 will be published in Elsevier's *Physics Procedia*.

This e-online platform, launched in 2008, focuses solely on the publication of high quality conference proceedings. By allowing conference delegates to publish their papers in a dedicated online issue on *Science Direct*, which is then made freely available throughout the world, *Physics Procedia* facilitates a fast dissemination.

All submitted LANE papers will be reviewed. Accepted papers will be visible for five years on Elsevier's *Physics Procedia*. In addition, all papers will also be incorporated into *Scopus*, the largest abstract and citation database for research literature and quality online sources.

Editors

Prof. Michael Schmidt
Prof. Frank Vollertsen
Prof. Manfred Geiger



Erlangen Innovation Award Optical Technologies

The Association for the Promotion of Laser Technology at the Friedrich-Alexander-University Erlangen-Nuremberg invites researchers and developers to apply for the Erlangen Innovation Award Optical Technologies at LANE 2010.

We are looking for brilliant ideas and technological breakthroughs in the field of laser science and engineering. Innovations can be in the form of new products, patents or inventions.

The award is endowed with a prize money of 3,000 € and the laureate has the unique chance to present the results of their work during the opening Plenary Session of the conference.

To apply for the Erlangen Innovation Award Optical Technologies, please submit a proposal of a maximum of five pages and a detailed curriculum vitae (both in English) to the Conference Office. **Closing date for the submission of proposals is June 30, 2010.**

Preliminary Program

Tuesday, September 21

Casual reception and registration

Wednesday, September 22

Plenary session with keynote presentations

Exhibition & poster session

Conference banquet

Thursday, September 23

Parallel sessions

Exhibition & poster session

Friday, September 24

Parallel sessions

Exhibition & poster session

Saturday, September 25

Post Conference Tour

Conference Fees

Presenting Author

Registration until July 05, 2010: € 500.00 (incl. VAT)

Deadline for Registration: July 05, 2010

Participant

Registration until July 16, 2010: € 850.00 (incl. VAT)

Registration after July 16, 2010: € 950.00 (incl. VAT)

Deadline for Registration: September 10, 2010

Members of the CIRP / WGP / WLT are granted a general discount of 10 % on these fees. Payments should be made on receipt of invoice.

For payment with credit cards a service fee of 5 % will be charged.

The conference fees include admission to the oral and poster presentations, the accompanying exhibition, the conference banquet on Wednesday, lunch for three days, refreshments, the casual reception and one set of proceedings.

Additional set of proceedings: € 200.00 (incl. VAT)

Please note our *General Terms and Conditions for Conferences* on our website www.lane-conference.org.