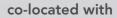


CALL FOR PAPERS III DEADLINE: JANUARY 15, 2010



LPN

11th International Symposium on Laser Precision Microfabrication June 7-10, 2010 in Stuttgart, Germany







Japan Laser Processing Society

International trade fair for system solutions in laser material processing

INTERCHANGE BETWEEN RESEARCH AND INDUSTRY

Miniaturization and high precision are rapidly becoming a requirement in many industrial processes and products. As a result, there is greater interest in the use of laser micro fabrication approaches to achieve these goals. The International Symposium on Laser Precision Microfabrication (LPM) is annually held to provide a forum for research and technology development in the area of **laser micro/ nano fabrication**. The unique aspect of this symposium is the **interchange between fundamental research and industrial applications**.

LPM is held alternatively in Japan and in other host countries. To date, LPM has been successfully hosted in Omiya, Singapore, Osaka, Munich, Nara, Williamsburg, Kyoto, Vienna, Quebec and Kobe. In 2010 it will be held in the International Congress Center (ICS) on the Stuttgart trade fairgrounds, concurrently with the international trade fair for system solutions in laser material processing, Lasys, and the Stuttgart Laser Technology Forum (SLT).

Stuttgart, well known as car capital is also the center of one of the most advanced regions in the field of manufacturing with lasers. Suppliers like Trumpf and pioneering users like Daimler and Bosch are located here and benefit from renowned research infrastructure.

SPECIAL SESSIONS

50 years of LASER

The 50th birthday of the LASER will be celebrated in a session giving worldwide known pioneers the opportunity to look back to the origins and to the enormous development since.

Lasers for micro fabrication

This session co-organized with SLT gives an overview of recent progress and expected developments of laser sources for micro applications.

Industrial applications

In this session co-organized with SLT numerous application success stories show the importance of micro fabrication for production of automobile, photovoltaic and electronic products.

LPM Topics

- 1. Fundamental aspects (dynamic, modeling, simulation, etc.)
- 2. Process monitoring and control
- 3. Nano technology
- 4. Direct write process (MAPLE-DW, LIFT, etc.)
- 5. Ultra short pulse laser processing
- 6. VUV laser processing
- Surface treatment (texturing, cleaning, annealing, modification, etc.)
- 8. Micro patterning and micro structuring
- 9. Micro machining
- 10. 3-D micro and nano fabrication
- 11. Drilling and cutting
- 12. Welding and bonding
- 13. Micro forming
- 14. Wafer dicing
- 15. Marking and trimming
- 6. Packaging and mounting process
- 17. Lithography (including EUV source and application)
- 18. Manufacture of micro devices and systems
- 19. Film deposition and synthesis of advanced materials (PLD, CVD, etc.)
- 20. Nano and micro particles
- 21. Medical and biological applications
- 22. Optics and systems for laser micro processing
- 23. Laser devices
- 24. Industrial applications
- 25. Photochemistry
- 26. Free electron laser material processing
- 27. High-power single-mode fiber lasers
- 28. Glass/ceramic processin
- 29. Other

ABSTRACTS

The organizing committee invites all interested individuals to present their latest research findings in any aspects of laser advanced materials processing covering precision micro fabrication. Those who wish to make a presentation should submit abstracts to be considered for oral/poster presentation.

SUBMISSION DUE DATE: JANUARY 15, 2010

- All abstracts must be submitted online: http://www.lpm2010.org/abstracts
- Neither fax nor e-mail submission will be accepted.
- Further information and format instructions also under http://www.lpm2010.org/abstracts

Organizers

JLPS Japan Laser Processing Society Landesmesse Stuttgart GmbH

General Chair Koji Sugioka (RIKEN, Japan)

Honorary Chair Isamu Miyamoto (Osaka University, Japan)

Co-chairs

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PRICES LPM

Early bird (3 months before)	550 EUR
Post deadline	620 EUR
Student	350 EUR

JLPS members discount 10 %

HOTELS

Watch out for our special offers for travel and accommodation / hotel reservation. Offers available starting March 2010 at www.lasys-messe.de

A HIGH-TECH TRADE FAIR IN THE CENTRE OF EUROPE

The perfect transport links of the New Stuttgart Trade Fair Centre are absolutely unique. The Airport is only 200 metres from the New Stuttgart Trade Fair Centre while the journey to Stuttgart Main Railway Station takes just 20 minutes on the rapid-transit railway. There are direct connections to all major cities in Europe. Anyone coming by car to the New Stuttgart Trade Fair Centre will have an easy journey thanks to its direct proximity to the A8 motorway.

The New Stuttgart Trade Fair Centre is therefore the ideal location for a symposium such as LPM, whose catchment area for both exhibitors and visitors includes the whole of Europe.

ABSTRACT DUE DATE: JANUARY 15, 2010

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