

LPM2022

Laser Precision Dresden
Microfabrication Germany

07 - 10 June 2022
Hybrid Conference - Dresden & Online

THE
SCIENTIFIC PROGRAM
IS ONLINE

dgm.de/lpm

DEAR LASER COMMUNITY,

It is our great pleasure to invite you to the 23rd International Symposium on Laser Precision Microfabrication (LPM 2022), which will take place on 07-10 June 2022 in Dresden, Germany. LPM is the world's number one meeting of the laser user community where the most advanced developments and recent trends in laser application for fine and precise fabrication of diverse materials are discussed between industry, research and academia.

We hope that the LPM 2022 Symposium will continue the tradition to serve a stimulating forum for the international exchange of knowledge and closer collaboration between specialists. The aim of this Symposium is to provide a forum for discussion of fundamental aspects of laser-matter interaction, the state-of-the-art of laser materials processing, and topics for the next generation of fundamental scientists, end users and laser manufacturers.

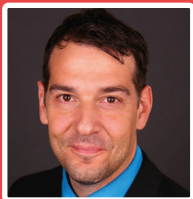
Sincerely yours,

The Symposium Chairs



Hiroyuki Niino

National Institute of Advanced Industrial Science and Technology,
Japan



Andrés Fabián Lasagni

Technische Universität Dresden, Fraunhofer IWS,
Germany

ABOUT DRESDEN

Dresden, the state capital of the Free State of Saxony, is located right in the heart of Europe, at the thoroughfare of East and West. Dresden is a microelectronics venue. Every second chip produced in Europe comes from Dresden. It also exhibits the highest density of researchers in all of Germany. Nowhere else do so many scientists work at one location – based on the total number of employees; all told, about a third.

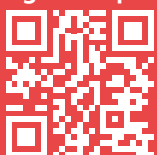
CONFERENCE VENUE

The house, The Deutsches Hygiene Museum is an open forum for discussion, open to everyone who is interested in the cultural, social and scientific revolutions taking place in our society at the beginning of the 21st century.

Its temporary exhibitions address current or historical themes with regard to science and society, art and culture - such as friendship and wealth, language, happiness or dance. At the centre of the permanent exhibition with a popular science slant, „Human Adventure“, are the body and health topics that visitors can explore with the help of exhibits, media units and many interactive displays. The permanent exhibition also displays countless objects from the museum's extensive collection, such as the „transparent man“. The regular attractions are rounded off by the experience-based children's museum „Our Five Senses“.

The communication of scientific issues and the task of cultural education have traditionally been the cornerstones of the Deutsche Hygiene Museum. Beside holding exhibitions, we offer a broad base of guided tours and educational activities tailored to the requirements of different kinds of visitor. This is complemented by a wide-ranging programme of events consisting of lectures, conferences, readings and concerts.

dgm.de/lpm



Conference Office

Deutsche Gesellschaft für Materialkunde e.V.
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Deutsches Hygiene-Museum Dresden, Germany

PLENARY SPEAKERS



AI-enabled advanced laser remelting process for polishing and structuring of tooling and functional surfaces

Dr. Evgueni V Bordatchev

National Research Council of Canada,
London, Ontario, Canada



ATTOSECOND METROLOGY IS COMING OF AGE - From speeding up electronics to detecting cancer

Prof. Dr. Ferenc Krausz

Max Planck Institute of Quantum Optics, Ludwig-Maximilians-Universität München, Germany



Hybrid Laser Precision Engineering of Transparent Hard Materials: Challenges, Solutions and Applications

Prof. Hong Minghui

National University of Singapore



SUPPOSe you can see beyond the diffraction limit. ¡And just processing a standard image!

Oscar E. Martinez

Photonics Laboratory, Biomedical Engineering Institute, University of Buenos Aires, Argentina



Micro/nanoscale laser 3D printing: past, present and future

Dr. Shoji Maruo

Yokohama National University, Japan



Energy Carrier-wide Thermal Nonequilibrium under Intense Photon Irradiation

Prof. Dr. Xinwei Wang

Iowa State University, USA

FULL PROGRAM

Look forward to an extensive program with over **110 lectures** and more than **20 posters** by authors from over **20 countries**.

<https://dgm.de/lpm/2022/program>

BOOK YOUR PARTICIPATION

ON-SITE TICKETS**

Limited to 120 participants. First come, first serve! These tickets cannot be booked separately without a catering package!

JLPS MEMBERS	799€
PERSONAL DGM MEMBER	799€
NON-DGM-MEMBERS	899€
YOUNG SCIENTISTS	499€

ONLINE TICKETS*

JLPS MEMBER	369€
DGM-MEMBERS	369€
REGULAR	399€

**Online tickets include:*

the online participation through a browserbased web conference platform and the possibility to watch all contributions on-demand for 14 days after the conference

***On-site tickets include:*

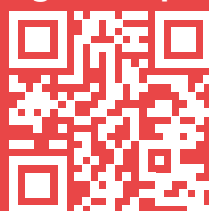
the possibility to watch all contributions on-demand for 14 days after the conference | catering package:

- Coffee breaks (Tuesday, Wednesday, Thursday, Friday)
- Conference Dinner (Thursday)

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