



SLPC2022
The 4th Smart Laser Processing Conference
 Organized by Japan Laser Processing Society (JLPS)
 Co-organized by Joining and Welding Research Institute, Osaka University

Date April 19-21, 2022 **Venue** Pacifico Yokohama, Japan

Co-located with OPIC2022 -OPTICS & PHOTONICS International Congress 2022 (April 18-22, 2022)

Conference Website: <http://www.jlps.gr.jp/slpc2022/>



AIM AND SCOPE

Laser beam processing is played an important role in industrial fields of not only macro-products but also micro-products, and its technologies are essential to open the new strategies of smart manufacturing such as highly integrated, accurate, efficient processing with low energy consumption.

SLPC2022 deals with science and technology of smart laser materials processing including micro and macro laser processing. SLPC2022 is planned as a three-day event with a plenary session, oral sessions and poster session. The aim of this conference is to provide a forum for discussion of fundamental aspects of laser-matter interaction, the state-of-the-art of smart laser processing, and topics for the next generation with fundamental scientists, end users and laser manufacturers.

We expect that SLPC2022 would play an important role not only for understanding fundamental knowledge of laser processing but also forecasting future technologies and the future laser processing fields.

During the SLPC2022 conference, OPTICS & PHOTONICS International Congress 2022 (OPIC2022) will be held jointly. SLPC2022 attendees can join the other conferences of OPIC2022 free of charge since SLPC2022 is one of the conferences of OPIC2022. (<https://opicon.jp/>)

Note: Please kindly acknowledge it in advance that there might be a possibility of changing the conference style due to the context of COVID-19.



TOPICS AND FIELDS

- Cutting
- Welding
- Additive Manufacturing / Selective Laser Melting
- Cladding / Laser Metal Deposition
- Functional Surface Manufacturing
- Laser Peening and Related Phenomena
- Laser Polishing / Cleaning
- Short Wavelength Application
- Micro Nano Processing
- Ultrashort Pulsed Laser Processing
- Advanced Lasers and Optical Technologies
- CFRP Processing
- Industrial Applications
- AI / CPS Laser Processing
- High Power Blue and Green Laser
- Others



IMPORTANT DATES

One-page digest submission starts from	November 2, 2021
One-page digest submission due date	January 14, 2022
Registration (OPIC2022) starts from	January 17, 2022

Online Submission & Registration will be available at the following OPIC2022 website.

One-Page Digest Submission: <https://opicon.jp/submission>

Registration: <https://opicon.jp/registration/online>

INVITED SPEAKERS (as of November 19)

- PLENARY SPEAKER -

Prof. Yohei Kobayashi (The University of Tokyo, Japan)

Prof. Hideki Kyogoku (Kindai University, Japan)

- INVITED SPEAKERS-

Dr. Dinh Thanh-Hung (National Institutes for Quantum Science and Technology, Japan)

Dr. Satoshi Hasegawa (Utsunomiya University, Japan)

Dr. Yusuke Ito (The University of Tokyo, Japan)

Dr. Markus Kogel-Hollacher (Precitec GmbH & Co. KG, Germany)

Dr. Tsuyoshi Nakamura (TRUMPF Corporation, Japan)

Prof. Timotius Pasang (Oregon Institute of Technology, USA)

Dipl. -Ing. Markus Rütering (Laserline GmbH, Germany)

Mr. Tomomichi Yasuoka (FURUKAWA ELECTRIC CO., LTD., Japan)

* Talk titles: To be announced

COMMITTEE

Conference Chair

Masahiro Tsukamoto, *JWRI, Osaka University, Japan*

Steering Committee Chair:

Yuji Sato, *JWRI, Osaka University, Japan*

Steering Committee Members:

Miho Tsuyama, *Kindai University, Japan*

Kazuki Koda, *DENSO CORPORATION, Japan*

Program Committee Chair: **Masahito Katto**, *University of Miyazaki, Japan*

Program Committee Co-Chairs: **Hitoshi Nakano**, *Kindai University, Japan*
Aiko Narazaki, *National Institute of Advanced Industrial Science and Technology (AIST), Japan*

Program Committee Members: **Masaki Hashida**, *Kyoto University, Japan*
Yoshio Hayasaki, *Utsunomiya University, Japan*
Koji Kakizaki, *Gigaphoton, Japan*
Katsuhiko Mikami, *Kindai University, Japan*
Shinji Motokoshi, *Institute for Laser Technology, Japan*
Yasuhiro Okamoto, *Okayama University, Japan*
Tomokazu Sano, *Osaka University, Japan*
Keisuke Shigemori, *Osaka University, Japan*
Rie Yamagishi, *Fukuoka Institute of Technology, Japan*

International Advisory Committee Members:

Chung-Wei Cheng, *National Chiao Tung University, Taiwan*

Bo Gu, *President, BOS Photonics, USA*

Yongfeng Lu, *University of Nebraska Lincoln, USA*

Beat Neuenschwander, *Bern University of Applied Sciences, Institute for Applied Laser, Photonics and Surface Technologies ALPS, Switzerland*

Andreas Ostendorf, *Applied Laser Technologies, Ruhr University Bochum, Germany*

Timotius Pasang, *Oregon Institute of Technology, USA*

Gediminas Račiukaitis, *Head of Department of Laser Technologies, FTMC – Center for Physical Sciences and Technology, Lithuania*

Sasitorn Srisawadi, *National Metal and Materials Technology Center (MTEC), Thailand*

Jörg Volpp, *Associate Professor, Luleå University of Technology, Department of Engineering Sciences and Mathematics, Sweden*

Rudolf Weber, *University of Stuttgart, Institut für Strahlwerkzeuge (IFSW), Germany*



CONTACT

[SLPC2022 Secretariat, Japan Laser Processing Society \(JLPS\)](#)

c/o JWRI, Osaka University, 11-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan

TEL/FAX: +81-6-6879-8642, E-mail: slpc@jlps.gr.jp