

SLPC2026

The 6th Smart Laser Processing Conference

Co-organized by Joining and Welding Research Institute (JWRI),
The University of Osaka, Japan

Date April 21-23, 2026 Venue Pacifico Yokohama, Japan

Co-located with OPIC2026 -OPTICS & PHOTONICS International Congress 2026 (April 20-24, 2026)

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.

SLPC2026 deals with science and technology of smart laser materials processing including micro and macro laser processing. SLPC2026 is planned as a three-day event with a plenary session, oral session 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 SLPC2026 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.

Also, during the SLPC2026 conference, OPTICS & PHOTONICS International Congress 2026 (OPIC2026) will be held jointly in the same venue. SLPC2026 attendees can join the other conferences of OPIC2026 free of charge since SLPC2026 is one of the conferences of OPIC2026. SLPC2026 registration will be available at the OPIC2026 website; <https://opicon.jp/>

Conference Chairs: Prof. Dr. **Masahiro Tsukamoto**, The University of Osaka, Japan

Prof. Dr. **Andreas Ostendorf**, Ruhr University Bochum, Germany

Steering Committee Chair: Assoc. Prof. Dr. **Yuji Sato**, The University of Osaka, Japan

Program Committee Chair: Prof. Dr. **Masaki Hashida**, Tokai University; Kyoto University, Japan

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 Lasers
- Others

CONTACT

SLPC2026 Secretariat, Japan Laser Processing Society (JLPS)
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<http://www.jlps.gr.jp/slpc2026/>

SLPC2026 PLENARY SPEAKERS

Dr. **Akira Fujisaki**, Corporative Vice President, Chief Technology Officer, General Manager of R&D Division, FURUKAWA ELECTRIC CO., LTD., Japan

Talk title: "Advances in fiber lasers and blue diode lasers, and their latest laser process applications"

Dr. **Aiko Narazaki**, Senior Planning Manager, Research Strategy Headquarters, National Institute of Advanced Industrial Science and Technology (AIST), Japan

Talk title: "Advanced Ultrashort Pulse Laser Processing for Shaping the Future Industries"

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

Talk title: "Progresses in Laser Material Processing with Ultrashort Pulsed Lasers and its Industrial Applications"

SLPC2026 INVITED SPEAKERS

Prof. Dr. **Camilo Florian**, Kassel University, Germany

Talk title: "Polymer replication of laser-induced periodic surface structures for robust wetting applications"

Prof. Dr. **Evgeny Gurevich**, University of Applied Science FH Muenster, Germany

Talk title: "Femtosecond Laser Processing of Thin Layers of 2D Materials"

Dr. **Keita Marumoto**, Assistant Professor, Hiroshima University, Japan

Talk title: "High-Efficiency and Low-Heat-Input Additive Manufacturing Using Hot-Wire Laser Wire DED"

Dr. **Mizue Mizoshiri**, Nagaoka University of Technology, Japan

Talk title: Femtosecond laser multipulse-induced copper precipitation from glyoxylic acid copper complex

Prof. **Yasuhiro Okamoto**, Hiroshima University, Japan

Talk title: "Effect of intensity distribution and its prospect in laser material processing"

Dr. **Takahisa Shobu**, Senior Principal Researcher, Japan Atomic Energy Agency (JAEA), Japan

Talk title: "Evaluation of internal stress in laser processed materials using synchrotron radiation"

Dr. **Felix Sima**, National Institute for Laser, Plasma and Radiation Physics (INFLPR), Romania

Talk title: "Tailoring and up-scaling 3D laser processing of transparent materials for lab-on-a-chip applications"

SLPC2026 (OPIC2026) Registration

Online registration is available at the following OPIC2026 website.

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



- **Important note:**

Advance registration deadline for SLPC2026 presenting authors: **March 19, 2026, JST.**

If the advance registration with full payment of the presenting author will not be confirmed by the above-mentioned date, the presentation will be removed from the final program.

- Early-bird registration due date for the attendees without SLPC presentations:
April 3, JST.

OPIC2026 Registration Fees

| Registration Type | On/Before 3 April 2026 | After 3 April 2026 |
|--------------------------|---------------------------|-----------------------|
| General | Member | JPY 75,000 |
| | Non-Member | JPY 89,000 |
| Student / Retiree | Member | JPY 25,000 |
| | Non-Member | JPY 29,000 |

- Payment is to be made by credit card :
VISA, MasterCard, JCB, American Express and Diners Club.
- Please be advised that all registration fees are non-refundable.
- You can attend 18 conferences of OPIC2026 without the additional charge.



<http://www.jlps.gr.jp/slpc2026/>

OPIC2026 Conferences

ALPS – The 15th Advanced Lasers and Photon Sources

第 15 回先進レーザーと光源技術

BISC – The 12th Biomedical Imaging and Sensing Conference

第 12 回バイオイメージング & センシング

CPS-SNAP – Cyber Physical Systems enabled by Sensing/Network/AI and Photonics Conference 2026

サイバーフィジカルシステムに向けたセンシング／ネットワーク／AI とフォトニクス会議

FAAP – The Future of Agriculture and Advanced Photonics 2026

新しい光と農業の未来 – 持続可能な食料生産のための科学技術の融合

HEDLA/HEDS – International Conference on High Energy Density Laboratory Astrophysics (HEDLA) and High Energy Density Science (HEDS)

高エネルギー密度実験室宇宙物理学 / 高エネルギー密度科学

ICNNQ – International Conference on Nano-photonics, Nano-optoelectronics and Quantum technology 2026

ナノフォトニクスとナノオプトエレクトロニクスおよび量子技術

IP – Information Photonics 2026

情報フォトニクス

LDC – Laser Display and Lighting Conference 2026

レーザーディスプレイ・照明

LSC – Conference on Laser and Synchrotron Radiation Combination Experiment 2026

レーザーとシンクロトロン放射光の融合実験に関する会議

LSSE – Laser Solutions for Space and the Earth 2026

宇宙と地球のためのレーザー

META – Meta Photonics: Design, Fabrication, Characterization, and Applications 2026

メタフォトニクス

OMC – The 13th Optical Manipulation and Structured Materials Conference

第 13 回光マニピュレーション

OPTM – Optical Technology and Measurement for Industrial Applications 2026

産業応用のための光計測

OWPT – Optical Wireless and Fiber Power Transmission Conference 2026

光無線給電および光ファイバ給電

SLPC – The 6th Smart Laser Processing Conference

第 6 回スマートレーザプロセス国際会議

TILA-LIC – Tiny Integrated Laser and Laser Ignition Conference 2026

小型集積レーザー・レーザー点火国際会議

XOPT – International Conference on X-ray Optics and Applications 2026

X 線光学要素技術と応用