

OPTICS & PHOTONICS International Congress

 **OPIC 2022**

**Co-located with OPIE '22**



<https://opicon.jp/>

**Organized by**  
**OPTICS & PHOTONICS International Council**

**Specialized International Conference Organized by**

The Laser Society of Japan / SPIE-The International Society for Optics and Photonics (USA) / The Graduate School for the Creation of New Photonics Industries / The Optical Society of Japan / Institute for Nano Quantum Information Electronics The University of Tokyo / The Ubiquitous Power Laser Technical Group, The Laser Society of Japan / Akasaki research Center (ARC), Nagoya University / Ubiquitous lasers Research Group, The Laser Society of Japan / High Energy Accelerator Research Organization / The Executive Committee of Laser Solution for Space and the Earth / RIKEN SPring-8 Center (RSC) / Research Center for Ultra-Precision Science & Technology, Osaka University / Ultra Precision, The Japan Society for Precision Engineering

**In cooperation with**

AIST-The National Institute of Advanced Industrial Science and Technology / NEDO-New Energy and Industrial Technology Development Organization / QST-National Institutes for Quantum and Radiological Science and Technology / RIKEN / AESJ-Atomic Energy Society of Japan / JSPF-The Japan Society of Plasma Science and Nuclear Fusion Research / OSJ-The Optical Society of Japan / OITDA-Optoelectronic Industry and Technology Development Association / ILT-Institute for Laser Technology / JPC-Japan Photonics Council / PIDA-Photonics Industry & Technology Development Association (Taiwan) / Fraunhofer Institute for Laser Technology ILT (Germany) / Photonics Media (USA)

**Supported by**

Ministry of Education, Culture, Sports, Science and Technology / Ministry of Economy, Trade and Industry / Ministry of Agriculture, Forestry and Fisheries of Japan / Ministry of Health, Labour and Welfare / Ministry of Land, Infrastructure, Transport and Tourism / Japan Tourism Agency / KEIDANREN (Japan Business Federation) / Japan Science & Technology Agency

**Date: 18 – 22 April, 2022**

**Venue: Pacifico Yokohama, Kanagawa, Japan**

**Deadline for paper submissions; 28 January 2022**

## Meeting Schedule

<b>Monday, 18 April</b>	Specialized international conferences
<b>Tuesday, 19 April</b>	Specialized international conferences
<b>Wednesday, 20 April</b>	Plenary Sessions, Specialized international conferences, Poster Sessions
<b>Thursday, 21 April</b>	Specialized international conferences, Poster Sessions
<b>Friday, 22 April</b>	Specialized international conferences

## Plenary Sessions

Wednesday, 20 April, 9:00-12:00 <Room 501+502>



### **Tammy MA**

Lawrence Livermore National Laboratory, U.S.A.

**“On the Threshold of Laser Fusion Ignition: Recent Breakthroughs at the U.S. National Ignition Facility and the Pathway to Inertial Fusion Energy”**



### **Wentao WANG**

State Key Laboratory of High Field Laser Physics and CAS Center for Excellence in Ultra-intense Laser Science, Shanghai Institute of Optics and Fine Mechanics (SIOM), Chinese Academy of Sciences (CAS), Shanghai, China

**“Free-electron lasing at 27 nm based on a laser wakefield accelerator at SIOM”**



### **Irina SOROKINA**

Norwegian University of Science and Technology – NTNU

**“Next generation mid-infrared lasers: a route towards sub-wavelength 3D-manufacturing”**

## Conference & Sponsors

### ■ ALPS 2022

The 11th Advanced Lasers and Photon Sources

*Sponsored by* The Laser Society of Japan

*Conference Chair:* **Hitoki Yoneda**, The University of Electro-Communications

**Ruxin Li**, Shanghai Institute of Optics and Fine Mechanics



### ■ HEDS 2022

International Conference on High Energy Density Science 2022

*Sponsored by* Laser Lab., Osaka University

*Conference Chairs:* **Ryosuke Kodama**, Osaka University

**Keisuke Shigemori**, Osaka University



### ■ ICNN 2022

International Conference on Nano-photonics and Nano-optoelectronics 2022

*Sponsored by* Institute for Nano Quantum Information Electronics, The University of Tokyo

*Conference Chair:* **Yasuhiko Arakawa**, The University of Tokyo



### ■ IP 2022

Information Photonics 2022

*Sponsored by* The Optical Society of Japan

*Conference Chair:* **Yoshio Hayasaki**, Utsunomiya University



### ■ LDC 2022

Laser Display and Lighting Conference 2022

*Sponsored by* The Optical Society of Japan

*Conference Chairs:* **Kazuo Kuroda**, Utsunomiya University

**Hiroshi Murata**, Mie University

**Fergal Shevlin**, DYOPTYKA, Ireland



### ■ LEDIA 2022

The 9th International Conference on Light-Emitting Devices and Their Industrial Applications

*Sponsored by* Akasaki research Center (ARC), Nagoya University

*Conference Chair:* **Hiroshi Amano**, Nagoya University



### ■ LIC 2022

The 8th Tiny Integrated Laser and Laser Ignition Conference

*Sponsored by* Institute for Molecular Science, Division of Research Innovation and Collaboration

*Conference Chair:* **Takunori Taira**, Institute for Molecular Science



### ■ LSC 2022

Conference on Laser and Synchrotron Radiation Combination Experiment 2022

*Sponsored by* Institute of Laser Engineering, Osaka University

*Conference Chair:* **Hiroki Wadati**, University of Hyogo



### ■ LSSE2022

Laser Solution for Space and the Earth 2022

*Sponsored by* The Executive Committee of Laser Solution for Space and the Earth

*Conference Chair:* **Toshikazu Ebisuzaki**, RIKEN



## ■ OMC 2022

The 9th Optical Manipulation and Measurement

*Sponsored and organized by SPIE-The International Society for Optics and Photonics*

*Conference Chairs:* **Takashige Omatsu**, Chiba University

**Kishan Dholakia**, University of St. Andrews, UK



## ■ OPTM 2022

Optical Technology and Measurement for Industrial Applications Conference 2022

*Sponsored by SPIE-The International Society for Optics and Photonics*

Ultra Precision, The Japan Society for Precision Engineering

*Conference Chairs:* **Takeshi Hatsuzawa**, Tokyo Institute of Technology

**Rainer Tutsch**, Technische Univ. Braunschweig, Germany

**Toru Yoshizawa**, NPO 3D Associates, Japan



## ■ OWPT 2022

Optical Wireless and Fiber Power Transmission Conference 2022

*Sponsored by Optical Wireless Power Transmission Committee, The Laser Society of Japan*

*Conference Chairs:* **Tomoyuki Miyamoto**, Tokyo Institute of Technology

**Takeo Maruyama**, Kanazawa University



## ■ SI-Through 2022

Sensing and Imaging through Scattering and Fluctuating Field in Biology, Telecommunication, and Astronomy

*Conference Chairs:* **Osamu Matoba**, Kobe University

**Sylvain Gigan**, Sorbonne Université, France



## ■ SLPC 2022

The 5th Smart Laser Processing Conference

*Sponsored by Japan Laser Processing Society*

*Conference Chair:* **Masahiro Tsukamoto**, Osaka University



## ■ XOPT 2022

International Conference on X-ray Optics and Applications 2022

*Sponsored by RIKEN SPring-8 Center*

Research Center for Ultra-Precision Science & Technology, Osaka University

The Japan Society for Precision Engineering, Ultra Precision

*Conference Chairs:* **Tetsuya Ishikawa**, RIKEN

**Kazuto Yamauchi**, Osaka University



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<b>Hitoshi Ogata</b>	Friend of company, Mitsubishi Electric, Inc.
<b>Peter Hallett</b>	SPIE, USA

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**Tsuyoshi Nakamura** TRUMPF

**Tetsuya Nakai** Thorlabs Japan

**Submission Date**

**Paper Deadline: 28 January, 2022**

**For details, see the call for papers of each conference.**

**<http://opicon.jp/>**



## PLENARY SESSION

OPIC2022's plenary session is scheduled on its third day, Wednesday, 20 April, 2022.

This plenary session will feature industry leaders from the optics and photonics community. OPIE2022 attendees are welcome to join the plenary session free of charge. (OPIC/OPIE badges required)

## POSTER SESSION

In addition to the oral presentation at each conference, poster sessions will be held within the OPIE2022 exhibition area.

**Official language:** English

## REGISTRATION FEES

Registration Type		On/Before 7 April 2022	After 8 April 2022
Member*	General	JPY 50,000	JPY 55,000
	Student	JPY 13,000	JPY 16,000
Non-Member	General	JPY 60,000	JPY 65,000
	Student	JPY 16,000	JPY 18,000
Remote (online) Non-Author Student		JPY 2,000	JPY 2,000

\* Member of specialized International Conference Organizations

## LOCATIONS OF CONGRESS SITE

OPIC2022 takes place at Pacifico Yokohama, Yokohama city, Kanagawa prefecture, JAPAN.

**Address:** 1-1-1 Minato Mirai,  
Nishi-ku, Yokohama 220-0012  
Japan  
<http://e.pacifico.co.jp>

**From Narita Airport:** 90 minutes by bus  
100 minutes by train.

**From Haneda Airport:** 20 minutes by car  
40 minutes by bus  
30 minutes by train.



## OPIC2022 Congress Management

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