

# Call for Papers

# OWPT2025



## The 7th Optical Wireless and Fiber Power Transmission Conference

**April 22 (Tue.) - 25 (Fri.), 2025**  
**Online/Venue hybrid, in Japan**

**(Venue: PACIFICO Yokohama)**

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

*Sponsored by*

*The Laser Society of Japan*

*In cooperation with*

Study Group of Optical Wireless Power Transmission



OWPT2025 will be held as one of conferences of the  
OPTICS & PHOTONICS International Congress 2025  
(OPIC2025).

**Paper submission deadline:**  
**Dec. 18 (Wed.), 2024**

(ver. 20241002)

## **INTRODUCTION**

The Optical Wireless and Fiber Power Transmission Conference (OWPT) is an international conference on optical wireless power transmission, optical fiber power transmission, and related technologies.

The 7th Optical Wireless and Fiber Power Transmission Conference (OWPT2025) will be held on April 22 (Tue.) - 25 (Fri.), 2025 as an online/venue hybrid conference in Japan as one of the conferences of the OPTICS & PHOTONICS International Congress 2025 (OPIC2025).

The OWPT Conference is intended to provide a central forum for updating and reviewing scientific and technical information on optical wireless power transmission and optical fiber power transmission by covering a wide range of fields from fundamental research to systems and applications.

This conference is sponsored by the Laser Society of Japan in cooperation with several academic societies and associations.

## **PLENARY TALKS**

Under negotiation.

## **SPECIAL TALKS**

Under negotiation.

## **INVITED TALKS**

Under negotiation.

## **SCOPE**

The optical wireless and fiber power transmission conference covers optical power transmission technologies and its related subjects as shown in the following fields.

### **A. Devices and components**

Light sources, Solar cells / photovoltaic devices, Optical Components, Modules, Theory, Design, Material, Fabrication process, etc.

### **B. Systems and subsystems**

Optical wireless / fiber power transmission, Non-optical wireless power transmission, Communication for optical power transmission, Safety system, etc.

## C. Applications

IoT, Consumer/industrial equipment, Automotive and vehicles, Drone, Robot, Medical implantable, Underwater, Harsh environment, Space solar power system, etc.

## D. Others

Standardization, Regulations, and Novel / emerging topic related to the OWPT conference.

## SUBMISSION OF PAPERS

Original papers that have not been previously presented and that describe new technical contributions to the areas covered by the technical descriptions in the conference scope will be accepted for presentation. Detailed instructions will be available from the conference Web site.

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

Papers should be submitted through the below Web site no later than **Dec. 18 (Wed.), 2024**. Authors will be requested to submit a **2-page paper** written in English,

including text, figures, tables, and references. The paper template will be available through the Web site.

<https://owpt.opicon.jp/paper-submission/>

**This year's paper submission deadline will be one month earlier than in the past.**

Notice: The OWPT2025 abstract will be published as an Abstract Book in the SPIE Digital Library.

## POSTER SESSION

In addition to regular oral presentation sessions, poster presentation sessions will be planned to stimulate detailed explanations and discussion. The poster session will be held at the venue only.

## POST DEADLINE PAPERS

A limited number of post-deadline (PD) papers will be accepted for presentation. Papers should be submitted to Program co-chairs (arai.masakazu@cc.miyazaki-u.ac.jp; m.matsuura@uec.ac.jp) as an attached file before the deadline.

## OFFICIAL LANGUAGE

The official language of the OWPT conference is English.

## CONFERENCE VENUE

The OWPT2025 will be held as an **online/venue hybrid conference**. You can attend the conference online or by coming to the below conference venue.

The OWPT2025 takes place at PACIFICO Yokohama, Yokohama city, Kanagawa prefecture, JAPAN. Yokohama city, the center of Kanagawa prefecture is located south of Tokyo. PACIFICO Yokohama is conveniently located about 40 min. by Limousine Bus from Haneda Airport and 90 min. from Narita Airport.

### PACIFICO Yokohama

1-1-1 Minato Mirai, Nishi-ku, Yokohama 220-0012, Japan  
<https://www.pacifico.co.jp/english>



## REGISTRATION

### Registration Fees

Registration fee details are still being finalized. However, for your convenience, the committee is providing the current estimated registration fee.

### Membership

	Before/On Apr. 8, 2025	After Apr. 9, 2025
General	JPY 75,000	JPY 82,000
Student (presenter), Retiree	JPY 25,000	JPY 29,000

### Nonmember

	Before/On Apr. 8, 2025	After Apr. 9, 2025
General	JPY 89,000	JPY 95,000
Student (presenter), Retiree	JPY 29,000	JPY 32,000

\*To apply as a student, you need a recommendation from your supervisor.

\*There is an additional fee to attend the conference banquet.

In OPTICS & PHOTONICS International Congress 2025 (OPIC2025), over 11 international conferences are going to be held simultaneously. By registering for OWPT2025, you can participate in all international conferences, but abstract of other conferences are not included.

**<https://opicon.jp/conferences>**

## **EXHIBITION**

OPTICS & PHOTONICS International Exhibition (OPIE'25) will be held on **April 23 (Wed.) - 25 (Fri.), 2025** at PACIFICO Yokohama, Japan.

## **FURTHER INFORMATION**

The latest information on the conference will be announced on the web site:

**<https://owpt.opicon.jp/>**

## **CONTACT**

Please contact from Web site.

**<https://owpt.opicon.jp/contact/>**

or

Tomoyuki Miyamoto  
OWPT2025 Conference co-chair  
Institute of Science Tokyo  
(formerly Tokyo Institute of Technology)  
R2-39, 4259 Nagatsuta, Midori-ku, Yokohama 226-8503,  
Japan  
Phone: +81-45-924-5059  
Email: tmiyamot@pi.titech.ac.jp

## **RESULTS OF PREVIOUS OWPT**

**OWPT2024** (hybrid conference)

**Number of Papers: 44** / Domestic: 23, Overseas: 21

**Number of Participants: 77** / Domestic: 46, Overseas: 31

**OWPT2023** (hybrid conference)

**Number of Papers: 46** / Domestic: 26, Overseas: 20

**Number of Participants: 91** / Domestic: 54, Overseas: 37

**OWPT2022** (hybrid conference)

**Number of Papers: 39** / Domestic: 21, Overseas: 18

**Number of Participants: 83** / Domestic: 50, Overseas: 33

**OWPT2021** (online conference)

**Number of Papers: 45** / Domestic: 24, Overseas: 17

**Number of Participants: 117** / Domestic: 59, Overseas: 58

**OWPT2020** (only distribution of Technical Digest)

**Number of Papers: 37** / Domestic: 26, Overseas: 11

**Number of Participants: 50** / Domestic: 33, Overseas: 17

**OWPT2019**

**Number of Papers: 56** / Domestic: 40, Overseas: 16

**Number of Participants: 90** / Domestic: 66, Overseas: 24

The detail of the previous Optical Wireless and Fiber Power Transmission Conference (OWPT) was shown in "About" menu of conference web site;

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

# OWPT2025 COMMITTEE MEMBERS

## Organizing Committee

### **Co-chairs**

T. Miyamoto (Tokyo Tech)  
K. Ogawa (Japan Women's Univ.)

## Steering Committee

### **Chair**

K. Ikeda (Central Research Institute of Electric Power Industry)

## Program Committee

### **Co-chairs**

M. Arai (Univ. of Miyazaki)  
M. Matsuura (Univ. Electro-Communications.)

### **Members**

S. Fafard (Broadcom Inc.)  
G. Hatakoshi (Waseda Univ.)  
H. Helmers (Fraunhofer)  
K. Hinzer (Univ. of Ottawa)  
M. Hirota (Kyushu Univ.)  
N. D. Hoa (Kyushu Univ.)  
T. Kageyama (Lumentum Japan)  
V. Khorenko (AZUR SPACE Solar Power)  
P. Leisher (Luminar Technologies)  
M. Miyoshi (Nagoya Institute of Technology)  
N. Mori (Yamashita Denso)  
T. Nugent (PowerLight Technologies)  
N. Ochiai (NTT)  
J. B. Rosolem (CPQD)  
A. C. Sodré Jr. (National Institute of Telecommunications)  
S. J. Sweeney (Univ. Glasgow )  
N. Uchiyama (National Institute of Technology, Sendai College)  
C. Vázquez (Univ. Carlos III de Madrid)  
T. Yamaguchi (Kogakuin Univ.)  
K. Yokomori (NPEO)  
N. Yokouchi (Furukawa Electric)