

# Call for Papers

## OWPT2023



### The 5th Optical Wireless and Fiber Power Transmission Conference

**April 17 (Mon.) - 21 (Fri.), 2023**  
**Online/Venue hybrid, in Japan**

**(Venue: PACIFICO Yokohama)**

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

*Sponsored by*

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

*In cooperation with*

Study Group of Optical Wireless Power Transmission



OWPT2023 will be held as one of conferences of the  
OPTICS & PHOTONICS International Congress 2023  
(OPIC2023).

**Paper submission deadline: Jan. 13 (Fri.), 2023**

**(ver. 20220830)**

# **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 5th Optical Wireless and Fiber Power Transmission Conference (OWPT2023) will be held on April 18 (Mon.) - 21 (Fri.), 2023 as an online/venue hybrid conference in Japan as one of the conferences of the OPTICS & PHOTONICS International Congress 2023 (OPIC2023).

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 Optical Wireless Power Transmission Committee, and The Laser Society of Japan in cooperation with several academic societies and associations.

## **PLENARY TALK**

**Under consideration**

## **SPECIAL TALKS**

**Under consideration**

## **INVITED TALKS**

**Under consideration**

About 10 invited speakers who are key researchers of OWPT fields will be presented.

## **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 **Jan. 13(Fri.), 2023**. 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/>

## POSTER SESSION

In addition to regular oral presentation sessions, poster presentation sessions will be planned to stimulate detailed explanations and discussion. The poster session is planned using the e-poster system.

## POST DEADLINE PAPERS (\*Under consideration)

A limited number of post-deadline (PD) papers will be accepted for presentation. Papers should be submitted to Program co-chairs (ike-ken@criepi.denken.or.jp; kogawa@fc.jwu.ac.jp) as an attached file before the deadline.

## OFFICIAL LANGUAGE

The official language of the OWPT conference is English.

## CONFERENCE VENUE

The OWPT2023 will be held as an **online/venue hybrid conference**. You can attend the conference online or by coming to the below conference venue.

The OWPT2023 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

<http://www.pacifico.co.jp/english/index.html>



## **REGISTRATION**

**Registration Fees (Details are under consideration)**

### **Membership**

	<b>Before/On Apr. 7, 2023</b>	<b>After Apr. 8, 2023</b>
<b>General</b>	¥56, 000	¥61, 000
<b>Student (presenter), Retiree</b>	¥19, 000	¥22, 000

### **Nonmember**

	<b>Before/On Apr. 7, 2023</b>	<b>After Apr. 8, 2023</b>
<b>General</b>	¥66, 000	¥71, 000
<b>Student (presenter), Retiree</b>	¥22, 000	¥24, 000

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

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

In OPTICS & PHOTONICS International Congress 2023 (OPIC2023), over 11 international conferences are going to be held simultaneously. By registering for OWPT2023, you can participate in all international conferences, but abstract of other conferences are not included.

## EXHIBITION

OPTICS & PHOTONICS International Exhibition (OPIE'23) will be held on **April 19 (Wed.) - 21 (Fri.), 2023** 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

Takeo Maruyama  
OWPT2023 Steering committee chair

School of Electrical, Information and Communication Engineering, Kanazawa University  
Kakuma-machi, Kanazawa, Ishikawa 920-1192, Japan  
Phone: +81-76-234-4886  
Email: maruyama@ec.t.kanzawa-u.ac.jp

## RESULTS OF PREVIOUS OWPT

**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



(OWPT2019)

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/>

## **OWPT2023 COMMITTEE MEMBERS**

### **Organizing Committee**

#### ***Co-chairs***

T. Miyamoto

(Tokyo Tech)

M. Matsuura

(Univ. Electro-Communications.)

#### ***Members***

Other members are under negotiation.

### **Steering Committee**

#### ***Chair***

T. Maruyama

(Kanazawa Univ.)

#### ***Members***

Other members are under negotiation.

### **Program Committee**

#### ***Co-chairs***

K. Ikeda

(Central Research Institute of  
Electric Power Industry)

K. Ogawa

(Japan Women’s Univ.)

#### ***Members***

