

Call for Papers

OWPT2026



The 8th Optical Wireless and Fiber Power Transmission Conference

April 21 (Tue.) - 24 (Fri.), 2026
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:
Jan. 5 (Mon.), 2026

(ver. 20250904)

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 8th Optical Wireless and Fiber Power Transmission Conference (OWPT2026) will be held on April 21 (Tue.) - 24 (Fri.), 2026 as an online/venue hybrid conference in Japan as one of the conferences of the OPTICS & PHOTONICS International Congress 2026 (OPIC2026).

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. 22 (Mon.), 2025**. 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/>

Notice: The OWPT2026 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 (kogawa@fc.jwu.ac.jp; shiro.uchida@p.chibakoudai.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 OWPT2026 will be held as an **online/venue hybrid conference**. You can attend the conference online or by coming to the below conference venue.

The OWPT2026 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. 3, 2026	After Apr. 3, 2026
General	JPY 75,000	JPY 82,000
Student (presenter), Retiree	JPY 25,000	JPY 29,000

Nonmember

	Before/On Apr. 3, 2026	After Apr. 3, 2026
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 2026 (OPIC2026), over 18 international conferences are going to be held simultaneously. By registering for OWPT2026, 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'26) will be held on **April 22 (Wed.) - 24 (Fri.), 2026** 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

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RESULTS OF PREVIOUS OWPT

OWPT2025 (hybrid conference)

Number of Papers: 33 / Domestic: 20, Overseas: 13

Number of Participants: 61 / Domestic: 43, Overseas: 18

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 (The 1st OWPT conference)

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/>

OWPT2026 COMMITTEE MEMBERS

Organizing Committee

Co-chairs

T. Miyamoto	(Institute of Science Tokyo)
K. Ikeda	(Central Research Institute of Electric Power Industry)

Steering Committee

Chair

M. Arai	(Univ. of Miyazaki)
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Program Committee

Co-chairs

M. Matsuura	(Univ. Electro-Communications.)
K. Ogawa	(Japan Women's Univ.)
S. Uchida	(Chiba Inst. Tech.)

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	(Tokushima Univ.)
C. Vázquez	(Univ. Carlos III de Madrid)
T. Yamaguchi	(Kogakuin Univ.)
K. Yokomori	(NPEO)
N. Yokouchi	(Furukawa Electric)

The committee members are under negotiation.