

FINAL CALL FOR PAPERS



IN
COOPERATION
WITH

SPIE

The Japan Society
of Applied Physics
(JSAP)

The Magnetics
Society of
Japan (MSJ)

The Institute of
Electronics,
Information and
Communication
Engineers (IEICE)

The Chemical
Society of Japan

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of Japan

The Institute of
Electrical Engineers
of Japan

The Institute of
Image Electronics
Engineers of Japan

The Institute of
Image Information
and Television
Engineers

The Japan Society
for Precision
Engineering

The Laser Society of
Japan

International Symposium on

Imaging, Sensing, and Optical Memory 2023

*TAKAMATSU SYMBOL TOWER,
Takamatsu, Kagawa, Japan*

Nov. 19 - 22, 2023

SPONSORED BY

- The Optical Society of Japan
(OSJ)

COSPONSORED BY

- Optoelectronics Industry and
Technology Development
Association (OITDA)

Paper Deadline

Jul. 1, 2023

<https://isom.jp/>

INTRODUCTION

The 33rd ISOM (ISOM'23) will be held from November 19 to 22 at TAKAMATSU SYMBOL TOWER, Takamatsu, Kagawa, Japan.

The origin of ISOM is SOM (Symposium on Optical Memory), which was held firstly in 1985 in Tokyo as a Japanese domestic symposium. The first ISOM (International Symposium on Optical Memory) was held in 1987 also in Tokyo. Until 1994, ISOM and SOM were held alternately every other year, and since 1995, ISOM has been held every year. The total number of papers of the past symposiums has reached 3,731, and the total number of participants has reached 10,812.

The purpose of the symposium was to provide a forum for information exchange on a broad range of topics covering science and technology in optical memory and its related fields. However, information explosion in the internet and cloud service has been enforcing optical memory to change from that for consumer storage to that for enterprise storage. Many colleagues of us have been seeking for new frontiers of optical memory technologies. Considering this situation, the scopes of ISOM are being continuously updated and have been reorganized in 2016. To further highlight them, the official name of ISOM was changed from “International Symposium on Optical Memory” to “International Symposium on Imaging, Sensing, and Optical Memory” in 2017. Paper submissions related to the new scopes as well as the conventional ones would be strongly encouraged.

In ISOM'23, along this direction, it will be very much expected to discuss the current status of optical memory, imaging, sensing, and other related technologies. ISOM'20, and '21 were held online under COVID-19, and ISOM'22 was held hybrid style of onsite and online jointly with CLEO-PR2022 and ODF'22. ISOM'23 will be held with onsite and online presentations.

We are looking forward to your paper submission and seeing you in Takamatsu, Kagawa, Japan.

SCOPE OF THE SYMPOSIUM

ISOM'23 will discuss the current status of Optical Memory, Imaging, Sensing, and Other Related Technologies.

The scope of ISOM'23 covers the above research fields. ISOM will provide the attractive fields to exchange the latest advances and/or ideas in the above research fields and also provide scientific interaction and collaboration.

Topics to be covered in this symposium include, but are not restricted to:

1. Optical Memory

- Professional Archive System
- Holographic Memory
- High-density Recording
- Media and Material Science
- Drive Technologies and Signal Processing
- Testing Methods
- Nonvolatile Memory
- Others

2. Imaging

- Computational Imaging
- Single Pixel Imaging
- Wavefront Coding
- Adaptive Optics
- Image Processing
- Scattering Imaging
- Others

3. Sensing

- Medical and Bio-systems
- Three-dimensional Sensing
- LiDAR
- Digital Holography
- Spectroscopy
- Nano-sensing
- Others

4. Other Related Technologies

- Optical Interconnection and Switching
- Optical Information Processing
- Nanophotonics, Metamaterials, and Plasmonics
- Optical System Design
- Materials, Components, and Devices
- Display
- Emerging Technologies and New World
- Others

ONLINE SUBMISSION

Original papers will be accepted for presentation after reviewed by the Technical Program Committee. The paper has to be submitted as an Adobe PDF-file at the conference website (<https://isom.jp/>). The web-submission service does not accept PDF files including 2-byte characters (for example, Japanese, Chinese and Korean characters). The local fonts should be removed from the text body and figures before submission. The 2-page summary preparation, 50-word abstract instruction, and submission procedures can be obtained at the website. Prior to paper submission, a delegated author has to fill in submission information including the 50-word abstract on the paper submission form at the website, and then a 2-page PDF summary should be uploaded via the website. If the summary does not meet the format, the paper will be rejected. Furthermore, the submitted paper cannot be replaced after the deadline.

Mode of Presentation

ISOM'23 welcomes onsite and also online presentations. Please note that due to the COVID-19 situation, ISOM'23 may shift to an online presentation only. Please check the ISOM website for the latest information.

The symposium will consist of oral and poster presentations. For the oral presentation, presentation and discussion times are usually 15 and 5 minutes, respectively. Abstracts and summaries of the poster presentations will be posted in the same manner as the oral presentations.

In addition to regular oral and poster presentations, all authors can apply for "Demo Presentation" (a presentation accompanied by a technical demonstration). ISOM provides an environment for the demonstration and supports shipping costs for the demonstration equipment. Details will be announced after notification of paper acceptance.

Online Abstracts and Summaries Submission Deadline: July 1, 2023

Questions to the Technical Program Committee should be addressed to the ISOM secretariat (secretary@isom.jp). The presentation schedule will be determined after the Technical Program Committee has reviewed the papers. Authors will be notified by the beginning of August 2023 whether their papers are accepted. The notification e-mail will be sent to the corresponding author of the web-submission.

All authors who receive notification of their paper's acceptance by the ISOM Technical Program Committee are requested to complete the copyright transfer form and promptly return it to the ISOM secretariat by e-mail.

ISOM Awards

The Best Paper Award, the Poster Award, and the Program Chair Award will be conferred to the excellent presentations as the ISOM prizes. ISOM welcomes student presentations from universities. The Student Award is also prepared.

PUBLICATION OF SYMPOSIUM PAPERS

Online Technical Digest will be available at the symposium including invited papers, accepted contributed papers, and limited numbers of post deadline papers. A special issue of this conference is under negotiation for publication in OPTICAL REVIEW, which is the English-language journal of the Optical Society of Japan (OSJ). The authors who will have, by themselves, presented papers at ISOM'23 will be encouraged to submit their papers for publication in this issue.

PRELIMINARY LIST OF INVITED SPEAKERS

A keynote speaker and a special invited speaker are under negotiation. Invited speakers are also under negotiation. The name of the speakers will be posted on the ISOM website as soon as possible.

REGISTRATION FEES

All participants (including speakers) are requested to register, and are encouraged to register in advance (by Nov. 2, 2023) in order to receive the early registration discount.

I. Advance Registration

Those who wish to attend ISOM'23 will be able to register on the web (<https://isom.jp/>). If you have any questions, please contact ISOM'23 secretariat office.

II. Registration Desk

The registration desk will be located on the 6th floor of "TAKAMATSU SYMBOL TOWER" from Sunday through Wednesday during the following hours.

Nov. 19: 15:00 - 17:20

Nov. 20: 08:30 - 13:00

Nov. 21: 08:30 - 13:00

Nov. 22: 08:30 - 12:00

III. Registration and Payment

Those who wish to attend ISOM'23 will be able to register on the web (<https://isom.jp/>) starting from October, 2023. The deadline for advance registration is **November 2, 2023**. The registration fee will get higher after Nov. 2, 2023.

Payment should be made in Japanese Yen by bank transfer (inside Japan only) or by credit cards (VISA and Master Card) payable to ISOM'23. No personal checks will be accepted.

Type	Before / On November 2, 2023	After November 2, 2023
Regular	JPY 55,000	JPY 65,000
Student & Retiree	JPY 15,000	JPY 20,000
Banquet	JPY 5,000	JPY 7,000

The registration fee for the symposium includes admission to all the technical sessions and an online Technical Digest. Students are asked for showing their ID cards.

IV. Registration Cancellation Policy

As a rule, no refunds of the registration fee will be made for any reasons whatever. Even in the event of registrant unable to attend the symposium, they will be able to download the online Technical Digest.

ISOM'23 COMMITTEES

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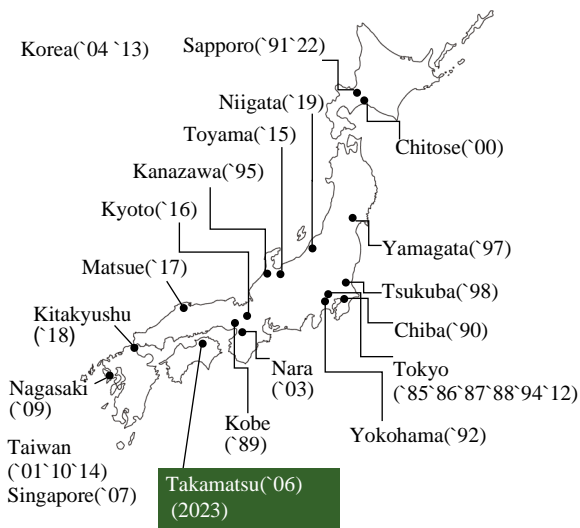
ADDITIONAL INFORMATION

1. A get-together will be held in the evening of Nov. 19.
2. The banquet will be held on Nov. 21.
3. Special Sessions related to “Sensing, Imaging, and Optical Memory” are planned for Nov. 20-Nov. 22.

Detailed information will be announced on the ISOM website (<https://isom.jp/>).

To receive further information about ISOM'23, please access ISOM website or directly contact the secretariat.

Location of Takamatsu with past venues



Hawaii (93-96-99-02-05-08-11)

ISOM'20 ISOM'21 held online only due to COVID-19

ACCESS TO CONFERENCE SITE

< Access to Takamatsu Airport >

至「高松空港」

International direct flights (国際線)

From Incheon Airport: approx. 100 minutes.

From Hong Kong Airport: approx. 200 minutes.

From Taipei Taoyuan Airport: approx. 140 minutes.

Domestic flights (国内線)

From Narita Airport: approx. 100 minutes.

自「成田空港」

From Haneda Airport: approx. 85 minutes.

自「羽田空港」

< From Takamatsu Airport to Takamatsu Station >

自「高松空港」



Limousine Bus:

Traveling time to JR Takamatsu Station is approx. 45 minutes.

< From Tokyo Station / Okayama Station to Takamatsu Station >

自「JR 東京駅」



JR Shinkansen line: 「新幹線」

(From Tokyo to Okayama)

Traveling time is approx. 190 minutes.



JR Marine Liner: 「快速マリンライナー」

(From Okayama to Takamatsu)

Traveling time is approx. 55 minutes.

< From Takamatsu Station to TAKAMATSU SYMBOL TOWER >

自「JR 高松駅」

Approx. 3 minutes on foot from the station.

For more information, please refer to the following URL:

<https://takamatsu.or.jp/participant/>

HOTEL ACCOMMODATIONS

Shown below are some candidate hotels near the ISOM'23 conference site (TAKAMATSU SYMBOL TOWER).

- JR Hotel Clement Takamatsu
<https://www.jrclement.co.jp/takamatsu/en/>
- JR Clement Inn Takamatsu
<https://www.jrclement.co.jp/inn/takamatsu/en/>
- Hyper Inn Takamatsu Ekimae
<https://hpdsp.jp/hyper-inn-takaeki/en/>
- Business Hotel Palace Takamatsu
<https://www.t-palace.co.jp/palace/>
- Toyoko Inn Takamatsu Hyogomachi
<https://www.toyoko-inn.com/eng/search/detail/00130/>
- Daiwa Roynet Hotel Takamatsu
<https://www.daiwaroynet.jp/en/takamatsu/>
- RIHGA Hotel Zest Takamatsu
<https://www.rihga.com/kagawa/>
- Hotel Fukuya
<https://www.hotel-fukuya.com/english/>

Other recommended hotels and the accommodation map can be found below.

- Takamatsu Convention and Visitors Bureau accommodation map
<https://takamatsu.or.jp/participant/accommodation/>

There are a lot of online booking sites in Japan. As the example, some of them are listed below. You can reserve your rooms in English at these sites. ISOM does not prepare any special blocks of rooms for the participants.

- JAPANiCAN.com
<http://www.japanican.com/>
- Japan Traveler Online
<http://japantraveleronline.com/>
- Rakuten Travel
<http://travel.rakuten.com/>
- Hotels.com
https://www.hotels.com/?pos=HCOM_ASIA&locale=en_JP



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