

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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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 2024

Arcrea HIMEJI,

Himeji, Hyogo, Japan

Oct. 20 - 23, 2024

SPONSORED BY

- The Optical Society of Japan
(OSJ)

COSPONSORED BY

- Optoelectronics Industry and
Technology Development
Association (OITDA)

Paper Deadline

June 1, 2024

<https://isom.jp/>



INTRODUCTION

The 34th ISOM (ISOM'24) will be held from Oct. 20 to 23 at Arcrea HIMEJI, Himeji, Hyogo, 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 3,823, and the total number of participants has reached 10,943.

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'24, along this direction, it will be highly expected to discuss the current status of optical memory, imaging, sensing, and other related technologies. In ISOM'23, the largest number of papers, in recent years, including topics such as artificial intelligence were presented, and many participants made fruitful discussions. So, please present your latest results at ISOM'24, and make meaningful information exchange and fruitful discussion. In principle, ISOM'24 will be held face-to-face style, but some invited talks may be presented through online.

We are looking forward to your paper submission and seeing you in Himeji, Hyogo, Japan.

SCOPE OF THE SYMPOSIUM

ISOM'24 will discuss the current status of Optical Memory, Imaging, Sensing, and Other Related Technologies.

The scope of ISOM'24 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 networking and collaboration.

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

1. Optical Memory

- Holographic Memory: Recording and Reproducing Technologies
- Holographic Memory: Signal Processing
- Optical Disk: High-density and Large-capacity Recording
- Optical Disk: Drive Technologies and Signal Processing
- Media and Material Science
- Archival Memory
- MO, HAMR, and Other Optics-used Techniques
- Others

2. Imaging

- Computational Imaging
- Digital Holography
- Image Processing
- Scattering Imaging
- Adaptive Optics
- Display
- Medical and Biological Imaging
- Others

3. Sensing

- Three-dimensional Sensing
- LiDAR
- Nano-sensing
- Spectroscopy
- Sensors and Sensing-systems
- Environment, Agriculture, and Infrastructure Sensing
- Others

4. Other Related Technologies

- Materials, Components, and Devices
- Nanophotonics, Metamaterials, and Plasmonics
- Optical Information Processing
- Optical System Design
- Optical Interconnection and Switching
- AI and Deep Learning
- Emerging Technologies on Optics
- Others

ONLINE SUBMISSION

Original papers will be accepted for presentation after reviewed by the Technical Program Committee. The papers have to be submitted as Adobe PDF files at the conference website (<https://isom.jp/>). No PDF files including 2-byte characters (for example, Japanese, Chinese and Korean characters) are accepted. The local fonts should be removed from the text body and figures before submission. The submission procedure of the 2-page summary and 50-word abstract will be shown at the website. Prior to paper submission, a delegated author has to fill in the paper submission information form including the 50-word abstract at the website, and then a 2-page summary should be uploaded via the website. At ISOM'24, you need to enter the name and e-mail address of the presenter and whether the presenter is a student when submitting. 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'24 exclusively accepts onsite presentations for contributed papers. 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: June 1, 2024

Authors will be notified if their papers are accepted or not by the beginning of July 2024. The notification will be sent to the corresponding author registered in the web submission by an e-mail. Then the presentation schedule will be determined by the Technical Program Committee.

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 an e-mail.

Questions to the Technical Program Committee should be addressed to the ISOM secretariat (secretary@isom.jp).

ISOM Awards

The Best Paper Award, the Best 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 prior to the symposium including invited papers, accepted contributed papers, and limited numbers of post deadline papers. A special issue of this conference will be published 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'24 will be encouraged to submit their papers for publication in this issue.

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 (<https://isom.jp/>) as soon as possible.

REGISTRATION FEES

All participants (including speakers) are requested to register, and are encouraged to register in advance (by Oct. 3, 2024) in order to receive the early registration discount.

I. Registration Fees

The symposium registration information and forms can be obtained from ISOM'24 website (<https://isom.jp/>). If you have any questions, please contact ISOM'24 secretariat office.

Type	Before / On Oct. 3, 2024 (tentative)	Standard Rate After Oct. 3, 2024 (tentative)
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.

II. Registration and Payment

Those who wish to attend ISOM'24 will be able to register on the web (<https://isom.jp/>) around August, 2024. The deadline for advance registration is **Oct. 3, 2024**.

Payment should be made in Japanese Yen by credit cards (VISA and Master Card) payable to ISOM'24. No cash will be accepted.

III. 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'24 COMMITTEES

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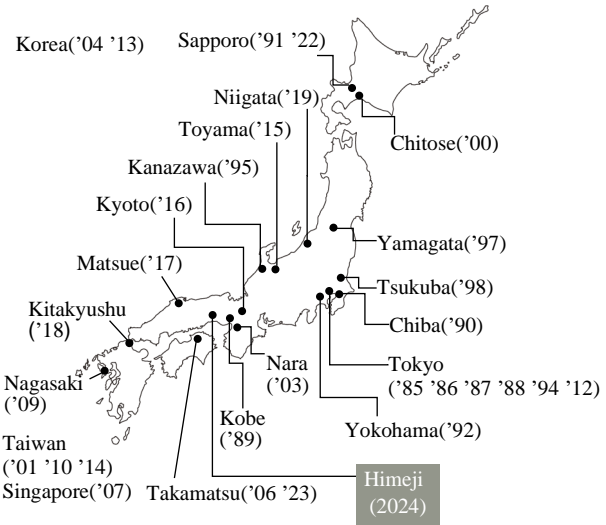
Hiura, S. (Univ. of Hyogo)

ADDITIONAL INFORMATION

1. A get-together will be held in the evening of Oct. 20.
2. The banquet will be held on Oct. 22.
3. Special Sessions related to “Imaging, Sensing, and Optical Memory” are planned during Oct. 20 - 23.

To receive further information about ISOM'24, please access ISOM website (<https://isom.jp/>) or directly contact the secretariat.

LOCATION OF HIMEJI 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 Kansai International Airport >

至「関西国際空港」

International direct flights（国際線）

From Incheon Airport: approx. 120 minutes.

From Shanghai Airport: approx. 160 minutes.

From Hong Kong Airport: approx. 220 minutes.

From Taoyuan Airport: approx. 145 minutes.

Domestic flights（国内線）

From Narita Airport: approx. 105 minutes.

自「成田空港」

From Haneda Airport: approx. 85 minutes.

自「羽田空港」

< From Kansai International Airport to Himeji Station >

自「関西国際空港」



JR Kansai-Airport Ltd. Express “HARUKA” :

「JR関西空港線 特急はるか」

(From Kansai Airport to JR Shin-Osaka Station)

Traveling time is approx. 50 minutes.



JR Shinkansen “HIKARI” :「新幹線ひかり」

(From JR Shin-Osaka Station to JR Himeji Station)

Traveling time is approx. 35 minutes.



Limousine Bus:

Traveling time from Kansai Airport to Himeji Station is approx. 120 minutes.

< From JR Tokyo Station to JR Himeji Station >

自「JR 東京駅」



JR Shinkansen “NOZOMI” :「新幹線のぞみ」

(From Tokyo Station to Himeji Station)

Traveling time is approx. 180 minutes.

※ If you need to change trains, please transfer to “HIKARI” or “KODAMA” at JR Shin-Osaka Station.



JR Shinkansen “HIKARI” :「新幹線ひかり」

(From JR Tokyo Station to JR Himeji Station)

Traveling time is approx. 210 minutes.

< From Himeji Station to Arcrea HIMEJI >

自「姫路駅」

Approx. 10 minutes on foot from the station.

For more information, please refer to the following URL:

<https://www.himeji-ccc.jp/en/#access>

HOTEL ACCOMMODATIONS

Shown below are some candidate hotels near the ISOM'24 conference site (Arcrea HIMEJI).

- Hotel Monterey Himeji
<https://www.hotelmonterey.co.jp/himeji/>
- Daiwa Roynet Hotel HIMEJI
<https://www.daiwaroynet.jp/en/himeji/>
- Richmond Hotel Himeji
<https://richmondhotel.jp/himeji/>
- Hotel Wing International Himeji
<https://www.hotelwing.co.jp/himeji/en/>
- Hotel Nikko Himeji
<https://www.hotelnikkohimeji.co.jp/en/>
- Himeji Castle Grandvrio Hotel
<https://www.himejicastlehotel.co.jp/>
- Comfort Hotel Himeji
<https://www.choice-hotels.jp/hotel/himeji/>
- Hotel Clair Higasa
<https://www.hotel-higasa.com/>

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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