

FINAL CALL FOR PAPERS



IN
COOPERATION
WITH

SPIE

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Japan (MSJ)

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Information and
Communication
Engineers (IEICE)

The Chemical
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Image Information
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Engineers

The Japan Society
for Precision
Engineering

The Laser Society of
Japan

International Symposium on

Imaging, Sensing, and Optical Memory 2021

*The Kobe Chamber of Commerce and
Industry, Kobe, Hyogo, Japan*

Oct. 3 - Oct. 6, 2021

SPONSORED BY

- The Optical Society of Japan
(OSJ)

COSPONSORED BY

-The Japan Society of Applied
Physics (JSAP)

-Optoelectronics Industry and
Technology Development
Association (OITDA)

(Some sponsors and cooperators are
under negotiation.)

Paper Deadline
May 14, 2021

<https://isom.jp/>

INTRODUCTION

The 31st ISOM (ISOM'21) will be held from October 3 to 6, 2021 at the Kobe Chamber of Commerce and Industry, Kobe, 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 3,595, and the total number of participants has reached 10,626.

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'21, 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 was held online under COVID-19, but as in 2015-2019, we will resume the demonstration session at the symposium, in which authors will be able to show their vivid and attractive research results.

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

SCOPE OF THE SYMPOSIUM

ISOM'21 will discuss the current status of Optical Memory, Imaging, Sensing, and Other Related Technologies.

The scope of ISOM'21 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
- Components and Devices
- Testing Methods
- Others

2. Imaging

- Computational Imaging
- Wavefront Coding
- Image Processing
- Optical System Design
- Devices
- Others

3. Sensing

- Medical and Bio-systems
- Three-dimensional Sensing
- Digital Holography
- Spectroscopy
- Bio-lab on a Disc
- Others

4. Other Related Technologies

- Optical Interconnection and Switching
- Optical Information Processing
- Nanophotonics and Plasmonics
- Components
- Material
- Display
- Photolithography
- Nonvolatile Memory
- Emerging Technologies and New World
- Others

ONLINE SUBMISSION

A limited number of original papers are accepted for presentation. The paper has to be submitted as an Adobe PDF-file at the ISOM website (<https://isom.jp/>). ISOM 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 ISOM 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

In addition to oral presentation, which typically consists of a 15-minute presentation and 5-minute discussion, there will be a poster session in the symposium. The abstract and summary of poster papers will be published in the same fashion as those of oral papers.

Moreover, all authors can apply for “Demo Presentation” (presentation with technical demonstration) in addition to ordinary oral or poster presentation. ISOM will provide the environment for Demo Presentation and support the transportation fee of demo equipment. Details will be announced after the paper acceptance notice.

Please note that ISOM’21 may move to an online format depending on the circumstances of COVID-19. In that case, all oral papers will be presented remotely in live or pre-recorded mode, while the format of the online poster session is under consideration. Detailed information will be announced on the ISOM website.

Online Abstracts and Summaries Submission Deadline: May 14, 2021

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, 2021 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. The conference papers will be published in September 2022 as a special issue of the 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'21 will be allowed to submit their papers for publication in this special issue.

The instructions for preparation of manuscript for the special issue will be informed to the corresponding authors by e-mail after the conference. Submitted papers will be reviewed based on the OPTICAL REVIEW standard.

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 **September 20, 2021**) in order to receive the early registration discount.

I. Advance Registration

The Symposium registration information and forms can be obtained from ISOM'21 website (<https://isom.jp/>). If you have any questions, please contact ISOM'21 secretariat office.

II. Onsite Registration

The registration desk will be located on the 3rd floor of “The Kobe Chamber of Commerce and Industry” from Sunday through Wednesday during the following hours.

Oct. 3: 15:00 - 17:20

Oct. 4: 08:30 - 13:00

Oct. 5: 08:30 - 13:00

Oct. 6: 08:30 - 12:00

Type	Before / On September 20, 2021	Onsite
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.

III. Registration and Payment

Those who wish to attend ISOM'21 will be able to register on the website (<https://isom.jp/>) after about August, 2021. The deadline for advance registration is **September 20, 2021**. After that, the registration will be processed at the symposium site upon arrival.

Payment should be made in Japanese Yen by bank transfer (inside Japan only) or by credit cards (VISA and Master Card) payable to ISOM'21. No personal checks will be accepted.

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'21 COMMITTEES

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Wright, C. D. (The Univ. of Exeter)
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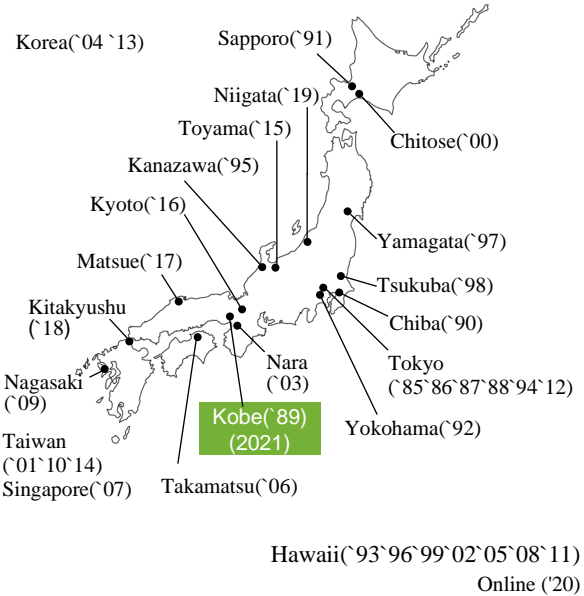
ADDITIONAL INFORMATION

1. A get-together will be held in the evening of Oct. 3.
2. The banquet will be held on Oct. 5.
3. Special Sessions related to “Imaging, Sensing, and Optical Memory” are planned for Oct. 4-Oct. 6.

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

To receive further information about ISOM'21, please access ISOM website or directly contact the secretariat.

Location of Kobe with past venues



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 Pudong Airport: approx. 160 minutes.

From Hong Kong Airport: approx. 220 minutes.

From Taipei Taoyuan Airport: approx. 150 minutes.

< From Kansai International Airport to Kobe Airport >

自「関西国際空港」



Bay Shuttle: 「ベイ・シャトル」

Traveling time to Kobe airport is approx. 60 minutes.

< Access to Kobe Airport >

至「神戸空港」

Domestic flights (国内線)

From Haneda Airport: approx. 80 minutes.

自「羽田空港」

< From Kobe Airport

to Shiminhiroba (Convention center) Station >

自「神戸空港」



Port Liner: 「ポートライナー」

Traveling time to Shiminhiroba Station is approx. 10 minutes.

< From Tokyo Station

to Shiminhiroba (Convention center) Station >

自「JR 東京駅」



JR Shinkansen: 「新幹線」

(From Tokyo Station to Shin-kobe Station)

Traveling time is approx. 160 minutes.



Subway Seishin-Yamate line: 「西神・山手線」

(From Shin-kobe Station to Sannomiya Station)

Traveling time is approx. 2 minutes.



Port Liner: 「ポートライナー」

(From Sannomiya Station to Shiminhiroba Station)

Traveling time is approx. 10 minutes.

< From Shiminhiroba Station

to the Kobe Chamber of Commerce and Industry >

自「市民広場駅」

Walk approx. 3 minutes from the station.

For more information, please refer to the following URL:

<https://goo.gl/maps/zKVUdu4zcZmDkGmC9>

<https://www.kcci-convention.com/map/>

HOTEL ACCOMMODATIONS

There are many online booking sites in Japan. As an 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

Shown below are some candidate hotels near the ISOM'21 conference site (The Kobe Chamber of Commerce and Industry).

- Ariston Hotel Kobe
<https://www.ariston.jp/kobe/en/>
- Kobe Portopia Hotel
<https://www.portopia.co.jp/en/>
- Hotel Pearl City
<https://www.pearlcity.jp/kobe/en/>
- Centurion Hotel Vintage Kobe
<https://www.centurion-hotel.com/v-kobe/>



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