FINAL CALL FOR PAPERS

ISOM'25

International Symposium on

Imaging, Sensing, and Optical Memory 2025

LIGHT CUBE UTSUNOMIYA,

Utsunomiya, Tochigi, Japan

Oct. 19 - 22, 2025

SPONSORED BY

- The Optical Society of Japan (OSJ)

COSPONSORED BY

-Optoelectronics Industry and Technology Development Association (OITDA)

Paper Deadline May 21, 2025

https://isom.jp/

INTRODUCTION

The 35th ISOM (ISOM'25) will be held from Oct. 19 to 22 at Light Cube Utsunomiya in Utsunomiya, Tochigi, 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 3,897, and the total number of participants has reached 11,063.

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'25, 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 and '24, the large number of papers including new topics such as artificial intelligence were presented, and many participants made fruitful discussion. So, please present your latest results at ISOM'25, and make meaningful information exchange and fruitful discussion. In principle, ISOM'25 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 Utsunomiya, Tochigi, Japan.

ISOM'25 will focus on the latest progress and research in Optical Memory, Imaging, Sensing, and Other Related Technologies.

The symposium provides a platform for sharing advances and exchanging ideas, fostering scientific networking and collaboration across these fields.

Topics to be covered in this symposium include, but are not limited to, the followings. Submissions on topics listed in the First Call for Paper but not listed below are also welcome.

1. Optical Memory
- Holographic Memory
- Optical Disk
- Media and Material Science
- Archival Memory
- Photonic Circuit Storage
- Others

2. Imaging
- Digital Holography
- Computational Imaging
- Display
- Medical and Biological Imaging
- Scattering and Fluctuation Imaging
- Adaptive Optics
- Others

3. Sensing
- LiDAR
- Three-dimensional Sensing
- Human-centered Sensing
- Environmental and Infrastructure Sensing
- Quantum Sensing
- Others

4. Other Related Technologies
- Materials, Components, and Devices
- Nanophotonics, Metamaterials, and Plasmonics
- Optical Neural Networks
- Optical Information and System Design
- System Integration and Miniaturization
- Others

ONLINE SUBMISSION

Original papers will be accepted for presentation after a review by the Technical Program Committee. Papers must be submitted as Adobe PDF files via the conference website (**https://isom.jp/**). PDF files containing 2-byte characters (e.g., Japanese, Chinese, or Korean characters) will not be accepted. Local fonts must be removed from the text body and figures before submission.

Details on the submission procedure for the 2-page summary and 50-word abstract will be provided on the website. Before submitting a paper, a delegated author must complete the paper submission form, including the 50-word abstract, on the website. The 2-page summary should then be uploaded via the same platform.

The name and email address of the presenter, as well as whether the presenter is a student, must be specified at the time of submission. Papers that do not conform to the required format will be rejected. Additionally, submitted papers cannot be replaced or modified after the submission deadline.

Mode of Presentation

ISOM'25 exclusively accepts onsite presentations for contributed papers. The symposium will feature both oral and poster presentations. For oral presentations, the typical time allocation is 15 minutes for the presentation and 5 minutes for discussion. Abstracts and summaries of poster presentations will be published in the same format as those of oral presentations.

In addition to regular oral and poster presentations, authors may apply for a "Demo Presentation," which includes a technical demonstration. ISOM will provide an environment for the demonstration and support shipping costs for demonstration equipment. Further details will be provided after paper acceptance notifications.

Online Abstracts and Summaries Submission Deadline: May 21, 2025

Authors will be notified of the acceptance or rejection of their papers by July 2025. Notifications will be sent via email to the corresponding author registered in the web submission system. The presentation schedule will then be determined by the Technical Program Committee.

All authors whose papers are accepted by the ISOM Technical Program Committee are required to complete the copyright transfer form, which is available on the ISOM website (**https://isom.jp/**), and promptly return it to the ISOM

secretariat via email at **secretary@isom.jp**.

Questions for the Technical Program Committee should also be directed to the ISOM secretariat via email at **secretary@isom.jp**.

ISOM Awards

The Best Paper Award, Best Poster Award, and Program Chair Award will be presented as ISOM prizes based on the submissions and the presentations. ISOM encourages student contributions from universities and has also established the Student Award to recognize outstanding work by students.

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'25 will be encouraged to submit their papers for publication in this issue.

INVITED SPEAKERS

A keynote speaker, a special invited speaker, and other invited speakers are currently under consideration and negotiation. The names of the speakers will be posted on the ISOM website (**https://isom.jp/**) as soon as they are finalized.

REGISTRATION FEES

All participants (including speakers) are requested to register, and are encouraged to register in advance (by Oct. 2, 2025) in order to receive the early registration discount.

I. Registration Fees

The symposium registration information and forms can be obtained from ISOM'25 website (**https://isom.jp/**). If you have any questions, please contact ISOM'25 secretariat office.

Type	Before / On Oct. 2, 2025	Standard Rate After Oct. 2, 2025
Conference Registration		
Regular	JPY 65,000	JPY 75,000
Student & Retiree	JPY 20,000	JPY 25,000
Banquet		
Regular	JPY 7,000	JPY 8,000
Student & Retiree	JPY 5,000	JPY 7,000

The registration fee for the symposium includes admission to all the technical sessions and an online Technical Digest. The information to join the online Symposium will be informed those who paid the participation fee, later. Students are asked for showing their ID cards.

II. Registration and Payment

Those who wish to attend ISOM'25 will be able to register on the web (**https://isom.jp/**) after about August, 2025. The deadline for advance registration is Oct. 2, 2025 24:00 (JST). After that, registrations will be charged the standard rate.

Onsite Registration will start at 15:00 on Oct. 19 at the 3rd floor of "Light Cube Utsunomiya". Alternatively, you can register on the website.

Payment should be made in Japanese Yen by credit cards (VISA and Master Card) payable to ISOM'25. 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.
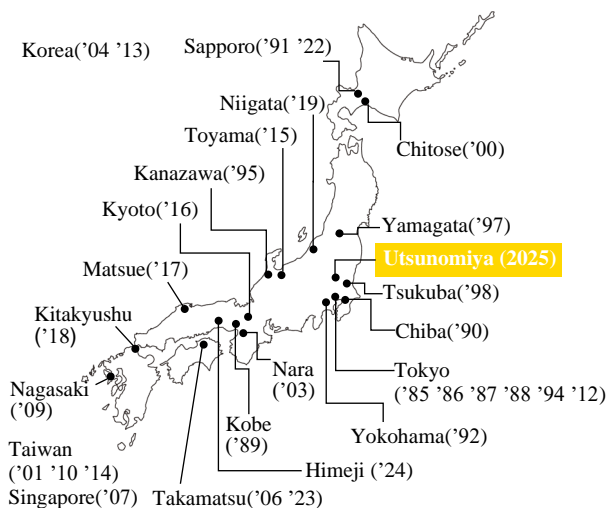
1. A get-together will be held in the evening of Oct. 19.

2. The banquet will be held on Oct. 21.

3. Special Sessions related to "Imaging, Sensing, and Optical Memory" are planned during Oct. 19 – 22.

To receive further information about ISOM'25, please access ISOM website (**https://isom.jp/**) or directly contact the secretariat.

CALL FOR FINANCIAL SPONSORS AND EXHIBITORS

ISOM'25 is considering inviting financial sponsors and exhibitors. Details will be announced on the ISOM website (**https://isom.jp/**) as soon as they are finalized.

LOCATION OF UTSUNOMIYA WITH PAST VENUES

Korea('04 '13)
Sapporo('91 '22)
Niigata('19)
Toyama('15)
Chitose('00)
Kanazawa('95)
Kyoto('16)
Yamagata('97)
Utsunomiya (2025)
Matsue('17)
Tsukuba('98)
Chiba('90)
Kitakyushu ('18)
Nara ('03)
Tokyo ('85 '86 '87 '88 '94 '12)
Nagasaki ('09)
Kobe ('89)
Yokohama('92)
Taiwan ('01 '10 '14)
Himeji ('24)
Singapore('07) Takamatsu('06 '23)

Hawaii('93 '96 '99 '02 '05 '08 '11)
ISOM'20 ISOM'21 held online only due to COVID-19

ISOM'25 COMMITTEES

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Yoshida, S. (Kindai Univ.)

Local Steering Committee

Barada, D. (Utsunomiya Univ.)
Fujimura, R. (Utsunomiya Univ.)

ACCESS TO CONFERENCE SITE

< Access to Haneda Airport/Narita Airport>
　至「羽田空港」「成田空港」

International direct flights（国際線）
　From Incheon Airport: approx. 150 minutes.
　From Shanghai Airport: approx. 180 minutes.
　From Taoyuan Airport: approx. 210 minutes.
　From Hong Kong Airport: approx. 270 minutes.
　From Changi Airport: approx. 450 minutes.

< From Haneda Airport to Utsunomiya Station >
　自「羽田空港」

🚊 **Tokyo Monorail and JR Yamanote line:**
「東京モノレール」「JR 山手線」
　(From Haneda Airport to JR Tokyo Station)
　Traveling time is approx. 30 minutes.
　※Transfer at Hamamatsucho Station.

🚊 **Tohoku Shinkansen line:**「東北新幹線」
　(From JR Tokyo Station to JR Utsunomiya Station)
　Traveling time is approx. 50 minutes.

< From Narita Airport to Utsunomiya Station >
　自「成田空港」

🚊 **JR Narita Express, N'EX:**「成田エクスプレス」
　(From Narita Airport to JR Tokyo Station)
　Traveling time is approx. 60 minutes.

🚊 **Tohoku Shinkansen line:**「東北新幹線」
　(From JR Tokyo Station to JR Utsunomiya Station)
　Traveling time is approx. 50 minutes.

< From Utsunomiya Station to Light Cube Utsunomiya>
　　自「宇都宮駅」
　Approx. 2 minutes on foot from the station.

For more information, please refer to the following URL:
https://light-cube.jp/visitors/access/

HOTEL ACCOMMODATIONS

Shown below are some candidate hotels near the ISOM'25 conference site (LIGHT CUBE UTSUNOMIYA).

- Candeo Hotels Utsunomiya
  https://www.candeohotels.com/en/tochigi-utsunomiya/
- Daiwa Roynet Utsunomiya
  https://www.daiwaroynet.jp/en/utsunomiya/
- Four Points Flex by Sheraton Utsunomiya
  https://www.marriott.com/en-us/hotels/ibruu-four-points-flex-utsunomiya/overview/
- APA Hotel Utsunomiya-Ekimae
  https://www.apahotel.com/hotel/syutoken/tochigi/utsunomiya-ekimae/
- Smile Hotel Utsunomiya Nishiguchi Ekimae
  https://smile-hotels.com/hotels/show/utsunomiyanishiguchiekimae /

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