

First Call for Papers



International Symposium on Imaging, Sensing, and Optical Memory 2025

October 19 (Sun)
– 22 (Wed), 2025

Submission Deadline:
May 21, 2025 (Tentative)

LIGHT CUBE UTSUNOMIYA, Utsunomiya, Tochigi, Japan
<https://www.isom.jp/>

SCOPE OF THE SYMPOSIUM

ISOM'25 will discuss the current status of Optical Memory, Imaging, Sensing, and Other Related Technologies. The scope of ISOM was drastically changed in 2017. ISOM will provide the attractive fields to exchange the latest advances 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

- 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

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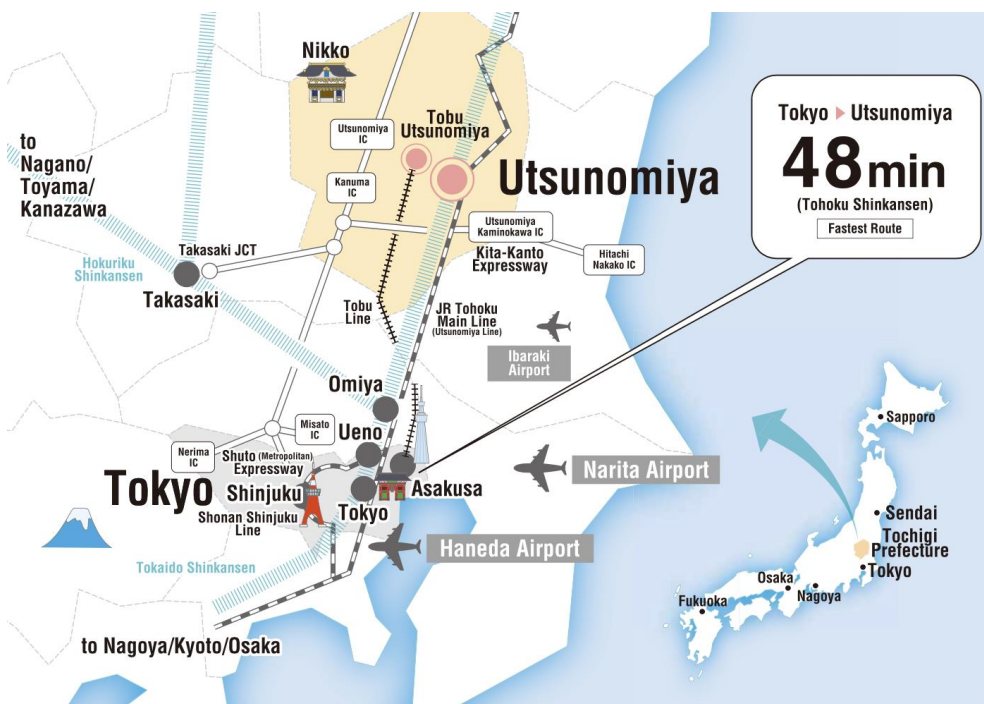
- The Optical Society of Japan (OSJ)
 - Optoelectronics Industry and Technology Development Association (OITDA)
 - The Japan Society of Applied Physics (JSAP)
 - The Magnetics Society of Japan (MSJ)
 - The Institute of Electronics, Information and Communication Engineers (IEICE)
 - The Chemical Society of Japan
 - Information Processing Society 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
 - The International Society for Optics and Photonics (SPIE)
- (To be negotiated with)

PAPER SUBMISSION INFORMATION

A limited number of contributed papers covering original unpublished work within the scope of the symposium will be accepted for presentation. The deadline for submission to ISOM'25 is **May 21, 2025** (Tentative). A 50-word abstract and a two-page summary must be submitted electronically through ISOM website (<https://www.isom.jp/>). Details of submission information will be shown in the Final Call for Papers and ISOM website by March 2025.

CONFERENCE SITE INFORMATION

The ISOM'25 will take place at LIGHT CUBE UTSUNOMIYA in Utsunomiya. It takes 2 minutes from JR Utsunomiya Station to the LIGHT CUBE UTSUNOMIYA on foot. The following transportation is available to go to JR Utsunomiya Station.



Airplane			
Shanghai	About 3h	Tokyo (Narita, Haneda)	
Taipei	About 3h 30min		
Hong Kong	About 4h 30min		
Singapore	About 7h 30min		
Seoul	About 2h 30min		
Train or Bus			
Narita Airport	Narita Express	56min	Tokyo Station
Haneda Airport	Tokyo Monorail, JR Line	About 45min	Tokyo Station
Tokyo Station	Tohoku Shinkansen	48min	JR Utsunomiya Station
Narita Airport	Airport Bus	About 2h 30min	JR Utsunomiya Station
Haneda Airport	Airport Bus	About 2h 40min	JR Utsunomiya Station

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