

First Call for Papers

International Symposium on Imaging, Sensing, and Optical Memory 2022



**July 31 (Sun)
– August 3 (Wed), 2022**
**Submission Deadline:
March 4, 2022 (Extended)**



Sapporo Convention Center, Sapporo, Japan
<https://www.cleopr2022.org/>

International Symposium on Imaging, Sensing, and Optical Memory 2022 (ISOM'22) will be held at Sapporo Convention Center, Sapporo, Japan on July 31 - August 3, 2022, jointly with the 15th Pacific Rim Conference on Lasers and Electro-Optics (CLEO-PR 2022) and the 13th International Conference on Optics-photonics Design and Fabrication (ODF'22).

SCOPE OF THE SYMPOSIUM

ISOM'22 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

- 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
- Single Pixel Imaging
- Wavefront Coding
- Image Processing
- Optical System Design
- Others

3. Sensing

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

4. Other Related Technologies

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

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A limited number of contributed papers covering original unpublished work within the scope of the symposium will be accepted for presentation.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'22 is **March 4, 2022 (Extended)**. All 35-word abstracts and two-page summaries must be submitted electronically to the website (<https://www.cleopr2022.org/>)

Organizing Committee Chair: Shimura, T. (The Univ. of Tokyo)

Steering Committee Chair: Furuya, A. (Tokushima Bunri Univ.)

Technical Program Committee Chair: Saito, K. (Kindai Univ. Tech. College)

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