FINAL CALL FOR PAPERS

ISOM'22

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

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

International Symposium on

Imaging, Sensing, and Optical Memory 2022

Sapporo Convention Center, Sapporo, Japan

Jul. 31 - Aug. 3, 2022

SPONSORED BY

- The Optical Society of Japan (OSJ)

COSPONSORED BY

-Optoelectronics Industry and Technology Development Association (OITDA)

Paper Deadline
Feb 11, 2022

https://cleopr2022.org

Jointly held with CLEO-PR2022 and ODF'22

ver.2022.01.13

INTRODUCTION

The 32nd ISOM (ISOM'22) will be held from July 31 to August 3, 2022 at the Sapporo Convention Center, Sapporo, Hokkaido Japan, jointly with the CLEO-PR2022 and the ODF'22.

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 3,669, and the total number of participants has reached 10,726.

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'22, 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, and '21 were held online under COVID-19. In ISOM'22, as the poster session will be held online, the demonstration session will NOT resume at the symposium. But, ISOM'22 will resume REGULAR ORAL session.

We are looking forward to your paper submission and seeing you in Sapporo, Hokkaido, Japan.

SCOPE OF THE SYMPOSIUM

ISOM'22 will discuss the current status of Optical Memory, Imaging, Sensing, and Other Related Technologies.

The scope of ISOM'22 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
- 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

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 conference website.
(https://www.cleopr2022.org/submission.html).

The 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, 35-word abstract instruction, and submission procedures can be obtained at the website. Prior to paper submission, a delegated author has to fill in submission information including the 35-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 an online poster session in the symposium. The abstract and summary of poster papers will be published in the same fashion as those of oral papers.
Please note that ISOM'22 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. Detailed information will be announced on the conference website.

Online Abstracts and Summaries Submission Deadline: Feb 11, 2022

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 April 2022 whether their papers are accepted. The notification e-mail will be sent to the corresponding author of the web-submission.
The submission form incorporates an IEEE electronic copyright license agreement as part of your submission. No additional mailed documentation is required. After filling and putting your signature, upload it to the submission system. The form is available to download from the website and the system in the submission process.

ISOM Awards

The Best Paper Award, the Poster Award, and the Program Chair Award will be conferred to the excellent presentaions 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 August 2023 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'22 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 CLEO-PR/ISOM/ODF website as soon as possible.

REGISTRATION FEES

All participants (including speakers) are requested to register, and are encouraged to register in advance (by **June 30, 2022**) in order to receive the early registration discount.

I. Registration Fees

The Symposium registration information and forms can be obtained from CLEO-PR/ISOM/ODF website (**https://www.cleopr2022.org/**). If you have any questions, please contact CLEO-PR/ISOM/ODF secretariat office.

Type	Early Bird Rate Before / On June 30, 2022	Standard Rate After 30 June, 2022
Member*	JPY 60,000	JPY 70,000
Non-Member	JPY 70,000	JPY 80,000
Student	JPY 25,000	JPY 30,000

* Applicable to menbers of JSAP, IEICE-ES, IEICE-CS, LSJ, OSJ, OPTICA, IEEE

The registration fee for the symposium includes admission to all the technical sessions, an online Technical Digest and Welcome reception. Students are asked for showing their ID cards.

II. Registration Cancellation Policy

As a rule, no refunds of the registration fee will be made for any reasons whatever.

ADDITIONAL INFORMATION

The banquet will be held on Aug. 3.

1. Special Sessions related to “Imaging, Sensing, and Optical Memory” are planned for August 1-3.

Detailed information will be announced on the ISOM website (https://isom.jp/) or CLEO-PR/ISOM/ODF website (https://www.cleopr2022.org/).

To receive further information about ISOM’22, please access ISOM website or directly contact the secretariat.

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Shin, D. -H. (Samsung)
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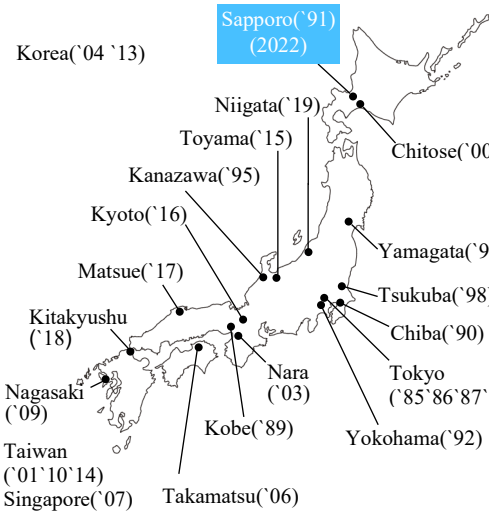
Tsai, D. P. (City Univ. of Hong Kong)
Wang, Y. (Shanghai Inst. of Optics & Fine Mechanics)
Wright, C. D. (The Univ. of Exeter)
Yoshida, S. (Kindai Univ.)

Location of Sapporo with past venues



Hawaii(`93`96`99`02`05`08`11)
Online (`20 `21)

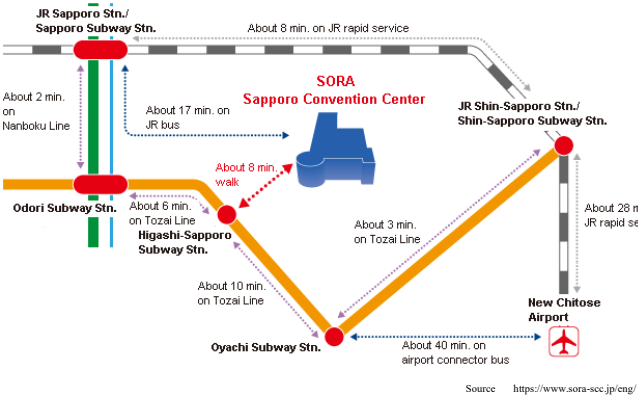
ACCESS TO CONFERENCE SITE

< Access to New Chitose Airport >
至「新千歳空港」

International direct flights（国際線）
From Incheon Airport: approx. 190 minutes.
From Shanghai Pudong Airport: approx. 200 minutes.
From Hong Kong Airport: approx. 360 minutes.
From Taipei Taoyuan Airport: approx. 200 minutes.

Domestic flights（国内線）
From Haneda Airport: approx. 100 minutes.
自「羽田空港」
From Kansai International Airport: approx. 120 minutes.
自「関西国際空港」

< From New Chitose Airport to Sapporo Convention Center (SORA) >
自「新千歳空港」
Traveling time to Sapporo Convention Center is approx. 60 minutes. Please refer to the map below:



Source https://www.sora-scc.jp/eng/

For more information about the conference site, please refer to the following URL: https://www.sora-scc.jp/eng/

< Entry to Japan >

Regarding Border Enforcement Measures, please keep yourself update with the latest information through links below.

–Border enforcement measures to prevent the spread of novel coronavirus (COVID-19)

URL: https://www.mofa.go.jp/ca/fna/page4e_001053.html

HOTEL ACCOMMODATIONS

The hotel information will be updated on CLEO-PR/ISOM/ ODF web page “Registration & Accommodation”.
URL: **https://www.cleopr2022.org/registration.html**

And there are many online booking sites where you can reserve a hotel in Sapporo. Some of them are listed below. You can reserve your rooms in English at these sites.

- 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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