ISOM'26

ACT CITY HAMAMATSU, Hamamatsu, Shizuoka, Japan

Oct. 25 - 28, 2026

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WELCOME STATEMENT FROM THE ORGANIZING COMMITTEE CHAIRPERSON



The 36th ISOM (ISOM'26) will be held from Oct. 25 to Oct. 28, 2026, at ACT CITY HAMAMATSU in Hamamatsu, Shizuoka, Japan.

On behalf of the ISOM organizing committee, I am delighted to welcome all of you to the ISOM'26.

The previous symposium, held in Utsunomiya, Tochigi, Japan, brought together 120 participants from six countries and regions. A total of 87 papers were presented, including 15 invited talks and special lectures. Attendees enjoyed engaging in face-to-face discussions, exchanging ideas, and strengthening relationships through both technical sessions and social activities.

We believe that ISOM's activities have been highly fruitful, yielding significant achievements. Since the first ISOM in 1987, numerous papers have been presented and discussed in depth at the symposium, leading to new developments and applications in the field of optical memory. These contributions have not only driven innovation in optical memory technology but have also supported the economic growth of industries related to optical memory.

In 2017, ISOM broadened its scope to include a wider range of optical fields and applications, and subsequently changed its name to the *International Symposium on Imaging, Sensing, and Optical Memory*. The renewed ISOM now encompasses image sensing, medical and bio-optics, nano-photonics, information systems, holographic technologies, as well as optical memory. We believe this expansion will foster technological innovation and create new applications across all areas represented at the symposium.

I sincerely encourage all participants of ISOM'26 to actively engage in discussions on next-generation optical memory technologies and their novel applications.



Takanori Nomura

ISOM'26 Organizing Committee, Chairperson

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ISOM'26 SYMPOSIUM SCHEDULE

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	Registration 15:00 – 18:00	Registration 8:15 – 13:00	Registration 8:15 – 13:00	Registration 8:15 – 13:00	
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9:00		**Mo-A** Opening Remarks	**Tu-A** [Special Session] Metastructure		9:00
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Oct. 25, 2026 (Sunday)

17:00 Get Together

Oct. 26, 2026 (Monday)

Mo-A: Opening Remarks

Presider: Koichi Iiyama (Kanazawa University, Japan)

8:45 Opening Remarks

Takanori Nomura (Wakayama University, Japan)
Tadayuki Imai (Kyoto Univ. of Advanced Science, Japan)

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Yoko Hoshi
Biomedical Instrumentation Laboratory, Institute of Photonics Medicine
Hamamatsu University School of Medicine (Japan)

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Presider: Tadayuki Imai (Kyoto University of Advanced Science, Japan)

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[1]Oki Electric Industry Co., Ltd., The University of Tokyo, [2]The University of Tokyo (Japan)

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[1]Samsung Japan Corporation, [2]Hosei University (Japan)

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Masanori Takabayashi (Kyushu Institute of Technology, Japan)

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[1]Northwestern Polytechnical University (P.R.China), [2]City University of Hong Kong (Hong Kong)

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Utsunomiya University (Japan)

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Investigation of Cylindrical-Wave Reconstruction at a Wavelength Different from the Recording Wavelength Using a Curved Flexible VHOE 143

Shota Hasui, Daisuke Barada
Utsunomiya University (Japan)

17:30 - 18:30 Break

18:30 - 20:30 Banquet

Oct. 28, 2026 (Wednesday)

We-A: Nanophotonics

Presider: Kazuyuki Tajima (Hitachi, Ltd., Japan)

We-A-01 Invited
9:00 Nonlocal Bound States in the Continuum for Nano Alignment 145

Jing Cheng Zhang[1], Din Ping Tsai[2], Stella W. Pang[2]
[1]Northwestern Polytechnical University (P.R.China), [2]City University of Hong Kong (Hong Kong)

We-A-02
9:25 Polarization-selective near-ultraviolet absorber at 340 nm using Fano resonance in an aluminum nanohole array 147

Atsushi Motogaito[1], Keita Narita[1], Takeshi Kato[2], Kazumasa Hiramatsu[1]
[1]Mie University, [2]Nagoya University (Japan)

We-A-03
9:45 Degradation Analysis of Li+-Doped LaOBr: Er^{3+} Nanophosphors Under High-Temperature and High-Humidity Conditions 149

Yumi Goto[1], Toshihiro Okamoto[1], Tomoya Konishi[2], Masaru Kamano[2], Takanori Kozai[2], Takeshi Fujihara[2], Tao Zheng[2], Nobutomo Uehara[2], Masanobu Haraguchi[1]
[1]Tokushima University, [2]National institute of Technology (Japan)

10:05 - 10:25 Break

We-B: [Special Session] Computational Imaging I

Presider: Masanori Takabayashi (Kyushu Institute of Technology, Japan)

We-B-01
10:25 Dual-Path Fourier Single-Pixel Imaging with Deep-Learning-Based Spatial-Frequency Restoration 151

Daiki Yoshioka, Yuki Kanamoto, Kazuki Yamakoshi, Shinjiro Kodama, Eriko Watanabe
The University of Electro-Communications (Japan)

We-B-02
10:45 Phase-Modulation Fresnel Zone Aperture for Enhancing Resolution and Noise Robustness in Lensless Cameras 153

Kazuyuki Tajima[1,2], Keita Yamaguchi[1], Yusuke Nakamura[1], Takeshi Shimano[1], Masahiro Yamaguchi[2]
[1]Hitachi Ltd., [2]Institute of Science Tokyo (Japan)

We-B-03
11:05 A Stage-Aligned Fused Compression Framework for Balanced 3D Gaussian Splatting Rendering (Online) 155

Shiyu Gu[1], Jianying Hao[1], Dongdong Weng[2]
[1]Ocean University, [2]Beijing Institute of Technology (P.R.China)

11:25 - 13:15 Lunch

We-C: [Special Session] Computational Imaging II

Presider: Suguru Shimomura (The University of Osaka, Japan)

We-C-01 Invited
13:15 Deep Optics for Coded Aperture Light Field Imaging 157

Keita Takahashi
Nagoya University (Japan)

We-C-02 Invited
13:40 Lensless Imaging with Diffusion Models 159

Tomoya Nakamura
The University of Osaka (Japan)

14:05 - 14:10 Short Break

We-PD: Post Deadline

Presider: Tetsuhiko Muroi (NHK, Japan)

We-PD-01
14:10 Narrowband Coded Multispectral Imaging Toward Incoherent Digital Holography Applications.....161

Masahiro Usui, Teruyoshi Nobukawa, Nobuhiro Kinoshita, Kei Hagiwara, and Tetsuhiko Muroi
Japan Broadcasting Corporation (NHK) (Japan)

We-PD-02
14:25 Challenges and opportunities of metalenses 163

Rong Lin, Din Ping Tsai
City University of Hong Kong (Hong Kong)

14:40 - 14:50 Short Break

14:50 - 15:05 Awards & Closing