
FIRST CALL FOR PAPERS

13th International Conference on Optics-photonics



Design & Fabrication

“*ODF'22, Sapporo*”
August 3rd-5th, 2022



Sapporo Convention Center, Sapporo, Japan

Organized by

Optics Design Group of The Optical Society of Japan

Co-Sponsored by

JSAP (The Japan Society of Applied Physics)

In Cooperation with (to be confirmed)

CIE (Chinese Institute of Engineers) • COS (Chinese Optical Society) • DGaO (German Society of Applied Optics) • EOS (European Optical Society) • ICO (International Commission for Optics) • IEICE (The Institute of Electronics, Information and Communication Engineers) • IEIJ (The Illuminating Engineering Institute of Japan) • JIEP (Japan Institute of Electronics Packaging) • IIEEJ (The Institute of Image Electronics Engineers of Japan) • ITE (The Institute of Image Information and Television Engineers) • JOEM (Japan Optomechatronics Association) • JOMA (Japan Optical Measuring Instruments Manufacturers' Association) • JPS (The Physical Society of Japan) • JSMBE (Japanese Society for Medical and Biological Engineering) • **Japan Photonics Council** • JSPE (The Japan Society for Precision Engineering) • LSJ (The Laser Society of Japan) • OITDA (Optoelectronics Industry and Technology Development Association) • OPSS (Optics and Photonics Society of Singapore) • OSA (The Optical Society) • OSK (Optical Society of Korea) • PIDA (Photonics Industry & Technology Development Association) • ROS (Rozhdestvensky Optical Society) • SPIE (The International Society for Optics and Photonics) • SPIJ (The Society of Photography and Imaging of Japan) • **The Color Science Association of Japan** • **The Astronomical Society of Japan** • **The Spectroscopical Society of Japan** • SID Japan Chapter (Society for Information Display Japan Chapter) • TOOMA (Taiwan Optics/Optronics Manufacturers' Association) • TPS (The Physical Society of Taiwan)

Paper Submission Period: Oct. 1st, 2021 - Jan. 31st, 2022

<http://www.odf.jp/>

INTRODUCTION

The 13th International Conference on Optics-photonics Design & Fabrication “ODF'22, Sapporo” will be held on August 3rd-5th, 2022. Optics-photonics design and fabrication will continue to play a significantly important role in the 21st century achieving harmony between technology and the environment. ODF'22 is intended to provide an international forum for original paper presentations and discussions of optics-photonics design and fabrication-related technological and scientific topics. These topics include theory, design, fabrication, testing, applications, and others.

ODF'22 is aimed to promote international collaboration among the participants in this field including related companies' exhibition.

Collaboration and Competition make progress.

“Join us at *ODF'22, Sapporo, Japan!*”

SCOPE OF THE CONFERENCE

ODF'22 is an international forum for the engineers and scientists in the field of Optics-photonics Design and Fabrication to exchange their ideas and achievements with the goal of future mutual progress. The conference covers the following major topical categories:

Category 1. Optical Design / Simulation / Fabrication

Lens Design, Lens Design Theory, Illumination Simulation, Non-imaging Optics Design, Freeform Optics, Simulation Software, Fabrication and Testing

Category 2. Optical Components / Devices

Laser, LED, OLED, Detector, Image sensor, DOE/HOE, Thin Film, Coating, Optical Waveguide, Optical Fiber, Integrated Optoelectronic Device, Active Optical Component, Optical MEMS, Photonic Crystal, Device Fabrication

Category 3. Optical Systems

Camera, Microscopy, Display, Projector, Optical Data Storage, Optical Lithography, Illumination Optics, 3D Image Acquisition, 3D Display, VR/AR, LiDAR, Automotive Optics, Biomedical Optics, Optofluidics, Optical Measurement, Optical Sensing, Spectroscopy

Category 4. New Technologies

AI Optics, Computational Imaging and Sensing, Single pixel imaging, Digital Holography, CGH, Nonlinear Optics, Ultrafast Optics, Metamaterial, Plasmonics, Near-Field Optics, Quantum Optics, Nano Structures, Optical Cloaking, Other Future Technologies in Optical Design and Fabrication

Special Session: “Optics for Life Sciences”

Paper Submission Period: Oct. 1st, 2021 - Jan. 31st, 2022
<http://www.odf.jp/>

PREPARATION OF ABSTRACT AND MANUSCRIPTS

A limited number of original contributed papers covering unpublished work will be accepted for presentation. Authors are required to submit papers including 35-word abstracts and 2-page manuscripts in the prescribed form. The form can be downloaded from the conference website. Papers must be submitted online. Please see the ODF'22 website for details of the submission procedure. Authors are required to agree to copyright transfer by including a completed form when submitting papers.

- **35-word Abstract**

Abstract should be up to 35 words in text format. Please avoid the use of scientific and engineering symbols in the abstract. The abstract which is longer than 35 words will be shortened by the program committee. If the paper is accepted, the abstract will appear in the Advance Program.

- **2-page Manuscripts**

2-page camera-ready manuscripts including text, figures, tables, and references must be typed single-spaced on an A4 or letter size paper, with the title followed by the author's name, affiliation, and address. Accepted papers will be published in the Technical Digest of the conference. For the layout of manuscript, please see the Guidelines appear on the ODF'22 website.

- **Abstracts & Manuscripts will be accepted: October 1st, 2021-January 31st, 2022**

For inquiries, please contact: secretariat@cleopr2022.org

ADDITIONAL INFORMATION

- **Post-deadline Papers**

Detailed information will be announced in the Final Call for Papers.

- **ODF'22 Special Issue of OPTICAL REVIEW**

The presented papers can be resubmitted and published in the ODF'22 special issue of the OPTICAL REVIEW after peer review. It is the English-language journal of the Optical Society of Japan (OSJ). Application forms for the special issue will be presented on the website.

EXECUTIVE COMMITTEE MEMBERS

General Chair:

S. Yamaguchi (Konica Minolta / Japan)

Advisory Board Members:

Y. Arakawa (The Univ. of Tokyo Prof. Emeritus / Japan)

K. Araki (Utsunomiya Univ. / Japan)

J. I. Chyi (National Central Univ. / Taiwan)

D. Granciu (IOR / Romania)

Y. Ichioka (Osaka Univ. Prof. Emeritus / Japan)

Y. Kim (KAIST / Korea)

K. Kodate (Japan Women's Univ. Prof. Emeritus / Japan)

K. Konno (Konica Minolta / Japan)

K. Kuroda (Utsunomiya Univ. / Japan)

C. C. Lee (National Central Univ. / Taiwan)

C. W. Liang (National Central Univ. / Taiwan)

D. T. Moore (Univ. of Rochester / USA)

M. Shibuya (Tokyo Polytech. Univ. Prof. Emeritus / Japan)

C. K. Sun (National Taiwan Univ. / Taiwan)

M. Takeda (Utsunomiya Univ. / Japan)

Y. Tanaka (Panasonic / Japan)

R. Y. Tsai (Caduceus Biotechnology Inc. / Taiwan)

A. Tünnermann (Fraunhofer IOF / Germany)

Organizing Committee

Chair:

H. Tatsuno (Ricoh / Japan)

Members:

Y. Awatsuji (Kyoto Inst. of Tech. / Japan)

F. Bociort (Delft Univ. of Tech. / Netherlands)

D. J. Brady (The Univ. of Arizona / USA)

S. Hiura (Univ. of Hyogo / Japan)

K. Itoh (Osaka Univ. / Japan)

T. Kurokawa (Tokyo Univ. of Agriculture & Tech. / Japan)

R. Magnusson (Univ. of Texas at Arlington / USA)

M. Mansuripur (The Univ. of Arizona / USA)

O. Matoba (Kobe Univ. / Japan)

T. Mori (Nikon / Japan)

J. Rolland (Univ. of Rochester / USA)

J. Tanida (Osaka Univ. / Japan)

D. P. Tsai (Academia Sinica / Taiwan)

H. Tsuchida (Consultant / Japan)

N. Tsumura (Chiba Univ. / Japan)

Paper Submission Period: Oct. 1st, 2021 - Jan. 31st, 2022

<http://www.odf.jp/>

Y. Unno (Canon / Japan)
A. Veeraraghavan (Rice Univ. / USA)
A. Yabe (Consultant / Japan)

Program Committee

Chair:

H. Kawano (Mitsubishi Electric / Japan)

Members:

N. Ebizuka (RIKEN / Japan)
Y. C. Fang (National Kaohsiung Univ. of Science and Technology / Taiwan)
N. Hashimoto (Japan Women's Univ. / Japan)
J. Heber (Fraunhofer IPMS / Germany)
B. Hendriks (Philips / Netherlands)
R. Horisaki (The Univ. of Tokyo / Japan)
T. Iwane (Nikon / Japan)
R. Katayama (Fukuoka Inst. of Tech. / Japan)
N. Kerwien (Carl Zeiss AG / Germany)
T. Konishi (Osaka Univ. / Japan)
K. Konno (Konica Minolta / Japan)
K. Y. Lai (NCU / Taiwan)
T. X. Lee (NTUST / Taiwan)
T. Lépine (Institut d'Optique & Hubert Curien Lab / France)
S. H. Lin (National Chiao Tung Univ. / Taiwan)
I. Livshits (ITMO Univ. / Russia)
Y. Luo (National Taiwan Univ. / Taiwan)
K. Maru (Kagawa Univ. / Japan)
O. Matoba (Kobe Univ. / Japan)
H. Mikami (Hokkaido Univ. / Japan)
Y. Mizutani (Osaka Univ. / Japan)
I. Moon (DGIST / Korea)
T. J. Naughton (Maynooth Univ. / Ireland)
T. Nobukawa (NHK / Japan)
T. Nomura (Wakayama Univ. / Japan)
A. Nozaki (Konica Minolta / Japan)
Y. Ogura (Osaka Univ. / Japan)
H. Ohno (Toshiba / Japan)
T. Otaki (Nikon / Japan)
N. C. Park (Yonsei Univ. / Korea)
J. M. Ryu (Kumoh National Institute of Technology / Korea)
A. Seifert (CIC nanoGUNE / Spain)
W. S. Sun (National Central Univ. / Taiwan)
Y. Suzuki (Olympus / Japan)

K. Tajima (Hitachi / Japan)
Y. Takashima (The Univ. of Arizona / USA)
A. Tanabe (Citizen / Japan)
M. Yamagata (Panasonic / Japan)
T. Yamanashi (Theta Optical LLC / USA)
R. N. Youngworth (Riyo LLC / USA)
E. Watanabe (The Univ. of Electro-Communications / Japan)

Steering Committee

Chair:

M. Hasegawa (Canon / Japan)

Members:

K. Goto (Dexerials / Japan)
M. Hashimoto (Konica Minolta / Japan)
K. Ikeda (Zemax Japan / Japan)
K. Irie (Mitsubishi Chemical / Japan)
H. Iwai (Cybernet Systems / Japan)
T. Iwasaki (Fujifilm / Japan)
A. Makida (Nikon / Japan)
T. Morimoto (Mitsubishi Electric / Japan)
M. Nakajima (Topcon / Japan)
T. Nakamura (Hitachi / Japan)
H. Shobayashi (Panasonic / Japan)
S. Tajiri (Sony Group / Japan)
Y. Takano (Ricoh / Japan)
R. Uemura (Olympus / Japan)
Y. Yamamoto (Toshiba / Japan)