

First Call for Papers



MOC '15 20th MICROOPTICS CONFERENCE

<http://www.comemoc.com/moc15/>

*Sponsored by the Japan Society of Applied Physics (JSAP)
Organized by Microoptics Group*



INTERNATIONAL
YEAR OF LIGHT
2015

Technically co-sponsored by

- IEEE Photonics Society

In cooperation with

- International Commission for Optics
 - The Optical Society
 - IEEE Photonics Society Japan Chapter
 - IEICE Electronics Society
 - The Chemical Society of Japan
 - The Society of Polymer Science, Japan
 - The Laser Society of Japan
 - Optoelectronics Industry and Technology Development Association
 - Japan Optomechatronics Association
 - JSPS / The 125th Committee
 - JSPS / The 130th Committee
- (Some organizations are under negotiation.)

**Oct. 25 (Sun.) - Oct. 28 (Wed.), 2015
FUKUOKA INTERNATIONAL CONGRESS CENTER
Fukuoka, Japan**

Paper Deadline: June 1 (Mon.), 2015

OBJECTIVE

The 20th MICROOPTICS CONFERENCE (MOC '15) will be held at FUKUOKA INTERNATIONAL CONGRESS CENTER, Fukuoka, Japan on October 25 - October 28, 2015. This conference is sponsored by the Japan Society of Applied Physics (JSAP) and organized by Microoptics Group and in cooperation with several academic societies and associations.

The MOC '15 is intended to provide a central forum for an update and review of scientific and technical information covering a wide range of microoptics field from fundamental researches to systems and applications.

CATEGORY

The category of the conference covers the following subjects of microoptics;

1. Theory, Modeling, and Design

Aberrations, Dispersion, Beam optics, Guided-wave optics, Gradient-index optics, Diffractive optics, Photonic band, Slow light, Near-field optics, Nonlinear optics, Thermooptics, Plasmonics, Metal optics, Quantum optics/photonics, Biomimetic optics, Simulation and system design, etc.

2. Materials and Fabrication

Semiconductors, Crystals, Dielectric materials, Polymers, Liquid crystals, Nonlinear materials, Composite materials, Nano-materials, Transparent conductors, Magneto-optic materials, Spin-materials, Metamaterials, Nanocarbons, etc.

Micro- and nano-fabrication, Nano-imprint, Laser processing, Heterogeneous bonding, 3D printing, etc.

3. Measurement and Sensing

Spectroscopy, Interferometry, Reflectometry, Ultrafast measurement, 3D measurement, Quantum measurement, etc.

4. Passive Devices

Fibers, Waveguides, Multi/Demultiplexers, Add-drop multiplexers, Branching and mixing components, Photonic crystals, Filters, Microlenses, Diffractive optical elements, Isolators, Polarizers, etc.

5. Dynamic and Functional Devices

MEMS, Switches, Modulators, Tunable devices, Wavelength converters, Nonlinear optical devices, Deflectors, Optical buffers, etc.

6. EO/OE and Active Devices

Lasers, LEDs, VCSELs, Array lasers, Amplifiers, Photo detectors, Terahertz devices, Optical imaging sensors, Solar cells, Energy harvesting devices, etc.

7. Integration, Packaging, and Si photonics

Monolithic and hybrid integration, Mounting and packaging, Micro-assembly, Wafer-level assembly, 3D integration, etc.

8. System and Design Conception

APPLICATION FIELD

The 20th MICROOPTICS CONFERENCE covers microoptics technologies in the following major topical fields;

A. Optical Communications

Photonic networks, Optical routing, Advanced multiplexing, LAN, FTTH, etc.

B. Optical Interconnects

Chip/Board/System interconnects, Active optical cables, etc.

C. Optoelectronic Equipment

Optical storages, Laser and LED printers, Smart sensors, Advanced cameras, Advanced microscopes, etc.

D. Optical Sensing and Processing

Optics for image recognition, Physical measurements, Sensors and sensing systems, Security systems, Optical computing, Bio- and medical sensing, Tomography, etc.

E. Displays and Lighting

LCD, Laser/LED/EL displays, MEMS displays, 3D displays, Projection displays, Wearable displays, Flexible displays, Solid state lighting, Illuminations, Appearance design and control, etc.

F. New Applications and Emerging Technologies

Green photonics, Environmental and energy optics, Bio- and medical optics, Nano-photonics, Quantum systems, Next generation and intelligent microoptics, Car optics, Agricultural and fishery optics, etc.

SUBMISSION OF PAPERS

Original papers that have not been previously presented and that describe new technical contributions to the areas covered by the technical descriptions in the aforementioned category will be accepted for presentation. A detailed instruction will be available from the following Web site.

<http://www.comemoc.com/moc15/>

Papers should be submitted electronically no later than **June 1 (Mon.), 2015**. Authors will be requested to submit **2-page paper** written in English, including text, figures, tables, and references **within a frame of 17 cm x 24 cm**. The paper template will be available through the Web site.

POSTER SESSION

In addition to regular oral presentation sessions, poster presentation session will be planned to stimulate detailed explanation and discussion. The author(s) of papers will be informed of the size of bulletin board for displaying summary, figures, tables, etc., when selected as poster papers.

POST DEADLINE PAPERS

A limited number of post deadline papers will be accepted for presentation at post deadline sessions. Latest significant results obtained after the regular deadline are most welcome.

PAPER AWARDS

Some excellent contributed papers will be awarded the Best Paper Award. Moreover, some excellent papers presented by students will be awarded the Student Paper Award.

FINANCIAL SUPPORT FOR OVERSEAS STUDENTS

Limited financial support is considered for the presentations by students from overseas. Details will be announced in the Final Call for Papers.

OFFICIAL LANGUAGE

The official language of MOC '15 is English.

CONFERENCE VENUE

The MOC'15 will take place at Fukuoka International Congress Center. Fukuoka is located in the northern part of Kyushu Island (Japan's third largest island, located south west of the main island). Fukuoka has regular flights to and from major domestic and overseas cities. It takes about 2 hours from Narita or Haneda Airport and about 1 hour from Kansai Airport to reach Fukuoka Airport. It also takes about 5 hours from Tokyo and about 2.5 hours from Shin-Osaka to Hakata Station (the central station of Fukuoka) by bullet train (Shinkansen).



Fukuoka International Congress Center

2-1 Sekijo-machi, Hakata-ku, Fukuoka 812-0032, Japan

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<http://www.marinemesse.or.jp/eng/congress/>

<http://www.welcome-fukuoka.or.jp/english/>

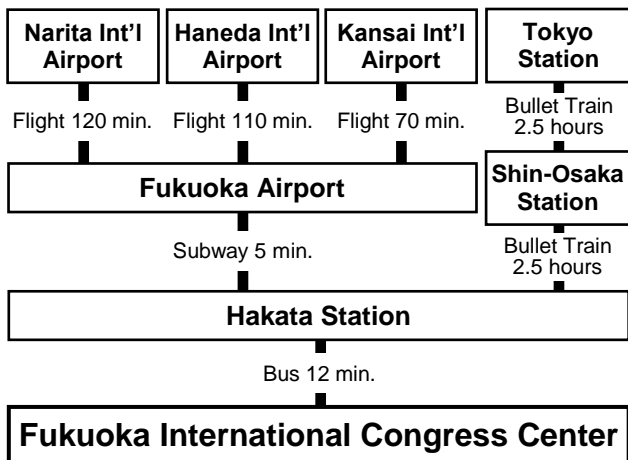
ACCESS MAP

From Fukuoka Airport

1. Take subway to Hakata Station.
2. Take bus bound for Hakata Pier or Chuo Pier at bus stop E.
3. Get off at Kokusai Center / Sunpalace-mae or International Congress Center / Sunpalace-mae.

From Hakata Station

1. Take bus bound for Hakata Pier or Chuo Pier at bus stop E.
2. Get off at Kokusai Center / Sunpalace-mae or International Congress Center / Sunpalace-mae.



FURTHER INFORMATION

The Final Call for Papers will be issued in March 2015. The latest information on the conference will be also presented on the Web site.

<http://www.comemoc.com/moc15/>

Contact:

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