

Final Call for Papers



MOC2017

22nd MICROOPTICS CONFERENCE

<http://www.comemoc.com/moc2017/>

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



Co-sponsored by

- Institute of Industrial Science, The University of Tokyo
- Research Center for Advanced Science and Technology, The University of Tokyo

Technically co-sponsored by

- IEEE Photonics Society

In cooperation with

- The Optical Society
- IEEE Photonics Society Japan Chapter
- IEICE Electronics Society
- Optical Society of Japan
- Optical Society of Korea
- Taiwan Photonics 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

Nov. 19 (Sun.) - Nov. 22 (Wed.), 2017
Institute of Industrial Science,
The University of Tokyo, Komaba, Tokyo

Paper Deadline: June 16 (Fri.), 2017

OBJECTIVE

The 22nd MICROOPTICS CONFERENCE (MOC2017) will be held at INSTITUTE of INDUSTRIAL SCIENCE, THE UNIVERSITY of TOKYO, Tokyo, Japan on November 19 - November 22, 2017. This conference is sponsored by the Japan Society of Applied Physics (JSAP) and organized by Microoptics Group, JSAP and in cooperation with several academic societies and associations. The MOC will mark its 30th anniversary in 2017.

The MOC2017 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, Thermo-optics, 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 22nd 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.moc2017.com/submission.html>

Papers should be submitted electronically no later than **June 16 (Fri.), 2017**. 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 available on the above website must be used for compliance with JSAP and IEEE *Xplore* formats.

Accepted papers will be published through the Technical Digest and also the IEEE *Xplore* after the conference except for cases of no-show without notification and for paper-cancellation.

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. The latest significant results obtained after the regular deadline are most welcome.

JJAP SPECIAL ISSUE

A special issue on Microoptics of the JJAP, which is an international journal published by the Japan Society of Applied Physics, is scheduled for publication in Aug. 2018. Authors of papers for MOC2017 are encouraged to submit original papers to the special issue. Further information will appear in the advance program.

AWARDS

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

FINANCIAL SUPPORT FOR OVERSEAS STUDENTS

Limited financial support is considered for the presentations by students from overseas. Details will be announced on the Web site.

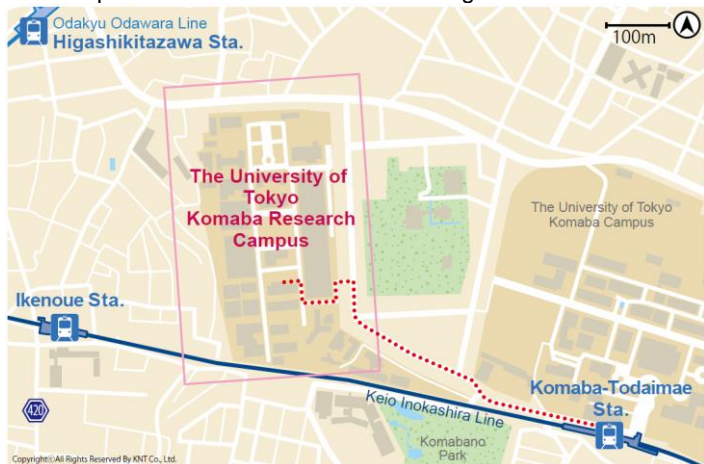
<http://www.comemoc.com/moc2017/>

OFFICIAL LANGUAGE

The official language of MOC2017 is English.

CONFERENCE VENUE

The MOC2017 will be held at the Komaba Research Campus of the University of Tokyo that can be reached within 20 minutes from Shibuya Station by train and walk. All the technical sessions will take place at Convention Hall in Building "An".



Convention Hall, Bldg. "An", Komaba Research Campus, The University of Tokyo

4-6-1 Komaba, Meguro-ku, Tokyo
153-8505, Japan

<http://www.iis.u-tokyo.ac.jp/en/access>

CONTACT

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ACCESS MAP

From Downtown Tokyo

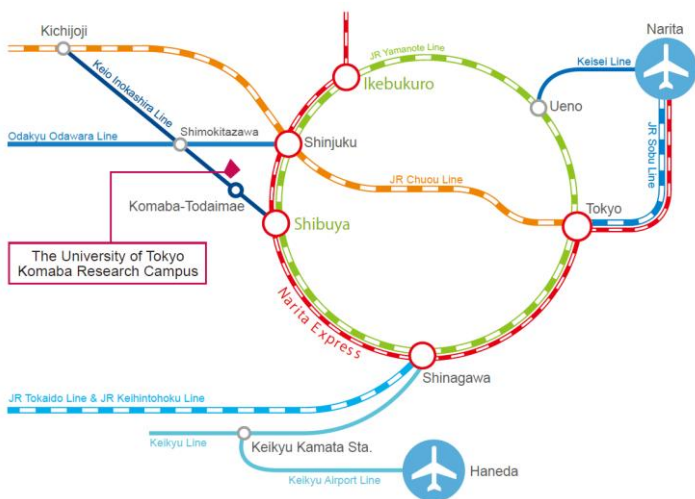
1. Take Yamanote Line (Japan Railways) to Shibuya Station.
2. Transfer to Keio Inokashira Line there and get off at Komaba-Todaimae Station. The ride from Shibuya Station to Komaba-Todaimae Station takes about 5 minutes.
3. About 10 min. walk to Komaba Research Campus.

From Haneda Airport

1. Take Keikyu Line to Shinagawa.
2. There, take JR Yamamoto Line to reach Shibuya Station.
3. Get off at Shibuya Station and transfer to Keio Inokashira Line to Komaba-Todaimae Station.
4. About 10 min. walk to Komaba Research Campus.

From Narita Airport

1. Take a Narita skyliner to Ueno Station.
2. There, change to Yamanote Line bound for Shibuya and Shinjuku.
3. Get off at Shibuya Station and transfer to Keio Inokashira Line to Komaba-Todaimae Station.
4. About 10 min. walk to Komaba Research Campus.



FURTHER INFORMATION

The latest information on the conference will be also presented on the Web site.

<http://www.comemoc.com/moc2017/>

PLENARY TALKS

- Y. Arakawa, Univ. Tokyo
"Advances in quantum dot photonics: From fundamental to practical implementation"
- P. Russell, MPI
"The multifaceted world of photonic crystal fibres"
- M. C. Wu, UC Berkeley
"Advances in nanophotonic MEMS"

INVITED TALKS

- R. Chen, Univ. Texas at Austin
"Polymer and silicon optical interconnection"
- L. Chrostowski, Univ. British Columbia
"Silicon on insulator based nanophotonics"
- B. Eggleton, Univ. Sydney
"Nonlinear signal processing in photonic chips"
- Z. He, Shanghai Jiao Tong Univ.
"Sensing the earth with micro-optics"
- H. Hillmer, Univ. Kassel
"MEMS-based micromirror arrays"
- A. Kovsh, Princeton Optronics
"High-power, high-efficiency VCSEL array and its application"
- S. L. Lee, National Taiwan Univ. Science and Technology
"WDM lasers and arrays for applications in optical networking and interconnect: overview and perspectives"
- J. Mork, Technical Univ. Denmark
"Photonic crystal Fano lasers and Fano switches"
- B. S. Ooi, King Abdullah Univ. Science and Technology
"Light-based underwater communications"

Some invited speakers are under negotiation.

SPECIAL SESSION

“Vehicle Microoptics for Autonomous Driving”

Organizers

M. Kagami Toyota Central R&D Labs.
O. Sugihara, Utsunomiya Univ.

Invited Talks

Invited speakers are under negotiation.

PRE-TECHNICAL-SESSION EVENT

In the afternoon of Nov. 19 (Sunday), tutorial lecturing or some special event for MOC's 30-year anniversary will be planned.

AWARD CEREMONY

Award ceremony will be held at the end of the conference.

MICROCONCERT and CONFERENCE PARTY

CONCERT and PARTY: Evening of Nov. 21 (Tuesday)

“MICROCONCERT” : One hour concert will be performed by Machida Philharmony Baroque Ensemble (MPB) after the technical session. Attendees and their families/friends are cordially invited (Free of Charge).

“CONFERENCE PARTY” : A Buffet Style Party will open right after the concert. Registration Required / ¥3,000 per person.

REGISTRATION

Registration Fees

	Before/On Oct. 16, 2017	After Oct. 17, 2017
Conference (General)	¥42, 000	¥47, 000
(Student, Retiree)	¥12, 000	¥15, 000
Conference Party	¥3, 000	¥3, 000

The conference fee includes admission to MOC2017 and a Technical Digest.

MOC2017 Organizing Committee entrusts **Kinki Nippon Tourist Co., Ltd.** with a part of the management.

Those who wish to attend MOC2017 should register online at

<http://www.comemoc.com/moc2017/>

If you have any questions, please contact

MOC2017 Registration Desk

Kinki Nippon Tourist Co., Ltd.

Sumitomo-shoji Kanda-Izumi-cho Bldg.13F 1-13

Kanda-Izumi-cho, Chiyoda-ku, Tokyo 101-0024, Japan

Phone: +81-3-6891-9354, Fax: +81-3-6891-9409

E-mail: moc2017@or.knt.co.jp

All payment should be made in Japanese yen by one of the following methods:

1. Bank transfer

(For overseas attendees)

Bank Name: Sumitomo Mitsui Banking Corporation
Suzuran Branch (Branch Code: 760)
Account Name: Kinki Nippon Tourist Co., Ltd.
Account No.: Ordinary Deposit No. 6103297
Swift Code: SMBCJPJT

(For domestic attendees)

三井住友銀行 すずらん支店 (店番号 760)
口座番号 : 普通 6103297
口座名 : 近畿日本ツーリスト株式会社

2. Credit card

Master Card, VISA, American Express, Diners Club and JCB are available. Personal checks are NOT accepted.

Pre-registration, by **October 16, 2017**, is encouraged and will be entitled to reduced fees. Upon receipt of registration information and payment, MOC2017 Registration Desk will send an e-mail of confirmation which should be printed and presented at the Conference Registration Desk.

REGISTRATION CANCELLATION POLICY

No refunds of the registration fee will be made for any reasons whatever. In case of registrant unable to attend the conference, Technical Digest (PDF format) will be sent after the conference.

HOTEL ACCOMMODATIONS

Kinki Nippon Tourist Co., Ltd. will be the official agent for hotel accommodations and other travel arrangements.

MOC2017 Accommodation Desk

Kinki Nippon Tourist Co., Ltd.

Open: Monday - Friday 9:30 am - 5:30 pm (Japan time)

Closed: Saturdays, Sundays and National holidays

Phone: +81-3-6891-9354, Fax: +81-3-6891-9409

E-mail: moc2017@or.knt.co.jp

Reservation should be made online no later than **October 20, 2017** at <http://www.comemoc.com/moc2017/>. Method of payment is via credit card. (Master Card, VISA, American Express, Diners Club and JCB are available.) Balance of room charge will be charged after **October 27, 2017**, together with handling charge (¥500 per room).

Hotel Name	Code	Room Type	Room Charge	Hotel Location
Kichijoji Tokyu REI Hotel	1S	Single	¥11,980	1 min. walk from Kichijoji Station
		Twin (Single use)	¥8,640 (¥15,320)	
JR Kyushu Hotel Blossom Shinjuku	2S	Single	¥15,350	3 min. walk from Shinjuku Station
Shinjuku New City Hotel	3S	Single	¥11,880	4 min. walk from Tocho-mae Station
				12 min. walk from Shinjuku Station (complimentary shuttle bus is available)
Washington Hotel Shinjuku	4S	Single	¥13,060	8 min. walk from Shinjuku Station
Hotel Suave Shibuya	5S	Single	¥11,440	1 min. walk from Ikejiri Ohashi Station 25 min. walk to the venue
Shibuya Excel Hotel Tokyu	6S	Single	¥28,820	Direct access from Shibuya Station
Shibuya Tokyu REI Hotel	7S	Single	¥18,848	2 min. walk from Shibuya Station
		Twin (Single use)	¥17,768 (¥22,736)	
Hotel Unizo Tokyo Shibuya	8S	Single	¥14,788	7 min. walk from Shibuya Station

The above rates are per room, including breakfast, service charge and consumption tax. Handling charge is not included.

Please refer to <http://www.comemoc.com/moc2017/> for hotel location information.

HOTEL CANCELLATION REFUND POLICY

Any kind of cancellation or reservation change must be submitted in writing to MOC2017 Accommodation Desk, **Kinki Nippon Tourist Co., Ltd.** If you cancel the reservation, the accommodation fee will be refunded after deducting the following cancellation fee. Please note that the handling charge will not be refunded.

- * Up to 21 days prior to the check-in date:
No cancellation charge
- * 20 - 8 days prior to the check-in date:
20% of one night accommodation fee
- * 7 - 2 days prior to the check-in date:
50% of one night accommodation fee
- * 1 day prior to the check-in date:
100% of one night accommodation fee
- * On the day of occupancy or no notice given:
100% of one night accommodation fee

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