

Final Call for Papers

MOC '07



13th MICROOPTICS CONFERENCE

<http://www.comemoc.com/moc07/>

Sponsored by

The Japan Society of Applied Physics

Organized by

Microoptics Group, Optical Society of Japan, JSAP



In technical co-sponsorship by

- IEEE/Lasers and Electro-Optics Society

In cooperation with

- Optical Society of America
- Electronics Society, IEICE
- The Chemical Society of Japan
- The Society of Polymer Science, Japan
- The Laser Society of Japan
- Optoelectronic Industry and Technology Development Association
- Japan Optomechatronics Association

Oct. 28(Sun.)-Oct. 31(Wed.), 2007

Sunport Takamatsu

Takamatsu, Kagawa, Japan

Paper Deadline: June 4 (Mon.), 2007

OBJECTIVE

The 13th MICROOPTICS CONFERENCE (MOC '07) will be held at Sunport Takamatsu, Takamatsu, Kagawa, Japan on October 28 - October 31, 2007. This conference is sponsored by The Japan Society of Applied Physics (JSAP) and organized by Microoptics Group, The Optical Society of Japan (OSJ), JSAP in cooperation with several academic societies and associations.

The MOC '07 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, Simulation and System design, etc.

2. Materials and Fabrication

Semiconductors, Crystals, Dielectric materials, Polymers, Liquid crystals, Nonlinear materials, Composite materials, Nano-materials, Metals, Spin-materials, etc.

Diffusion and Ion exchange, Lithography and Etching, Thin film deposition, Micro- and Nano-fabrication, Nano-imprint, Laser fabrication, etc.

3. Measurements

Spectroscopy, Interferometry, Reflectometry, Femto-second 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. Active Devices

Lasers, LEDs, VCSELs, Array lasers, Amplifiers, Terahertz devices, Sensors, etc.

7. Integration and Packaging

Monolithic and Hybrid integration, Mounting and packaging, Micro-assembly, Si photonics, 3D integration, etc.

8. Conception for Applications

High power, High speed, High efficiency, High field, High Density, High sensitivity, etc.

APPLICATION FIELD

The 13th MICROOPTICS CONFERENCE covers microoptics technologies in the following major topical fields;

A. Optical Communications

Photonic networks, Optical cross connects, LAN, VSR, SAN, FTTH, etc.

B. Optical Interconnects

Chip/Board/System, Data transfer, etc.

C. Optical Storages

Optical heads, Disks, Near-field recording, Holographic recording, Multi-layer recording, Super resolution, etc.

D. Optoelectronic Equipment

Printers, Image sensors, Digital cameras, Advanced microscopes, etc.

E. Optical Sensing and Processing

Image recognition, Physical measurements, Sensors and sensing systems, Security systems, Optical computing, etc.

F. Displays and Lighting

LCD, PDP, FED, EL, Micromirror, Laser and LED projectors, 3D displays, Solid state lighting, Illuminations, etc.

G. New Applications

Environmental and Energy optics, Bio- and Medical optics, Nano-photonics, Quantum systems, Next generation and Intelligent microoptics, 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/moc07/>

Papers should be submitted electronically. 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. The deadline for submission of the paper is **October 9, 2007**.

OFFICIAL LANGUAGE

The official language of MOC '07 is English.

SPECIAL ISSUE

A special issue on microoptics of the Japanese Journal of Applied Physics (JJAP) is scheduled for publication in 2008. Authors of papers for MOC '07 are encouraged to submit original papers to the special issue. Further information will appear in the advance program.

FURTHER INFORMATION

The advance program will be issued in August, 2007. The latest information on the conference will be also presented on the Web site.

<http://www.comemoc.com/moc07/>



Seto Ohashi Bridge

Sunport Takamatsu



PLENARY TALKS

Y. Koike, Keio Univ.
"Microoptics and Photonics Polymer"

J. E. Bowers, UC Santa Barbara
"Large Scale Microoptic Switching"

H. Thienpont, Vrije Univ. Brussel
"Low-Cost Micro-Optical Components for Printed Circuit Board- and Chip-Level Photonic Interconnects"

INVITED TALKS

A. Braeuer, Fraunhofer IOF
"Microoptical Solutions for Imaging and Displays"

B. L.-Davies, Australian National Univ.
"Chalcogenide Planar Devices for Signal Regenerators"

M. R. Feldman, Tessera Tech., Inc
"Wafer level Optics for Miniature Fixed Focus Cameras"

M. Grabherr, Philips Photonics
"VCSEL - Wide Range of Applications"

H. C. Kuo, National Chiao-Tung Univ.
T. C. Lu
S. C. Wang
"MOCVD Growth and Nanofabrication of GaN Based Micro-Cavity Devices"

P. Laakkonen, Univ. Joensuu
"Resonance-Domain and Subwavelength Diffractive Optic"

N. C. Park, Yonsei Univ.
"Near-Field Recording Technology Using SIL"

J. H. Shin, KAIST
"Si Photonics" (Tentative)

J.J.G. M van der Tol, COBRA TU/e
M. K. Smit
"Polarization Control and its Application to Waveguide Devices"

M. Wu, UC Berkeley
"Nano Photonics MEMS for Innovative Devices"

SPECIAL SESSION

A special session entitled “**Optical Interconnections**”.

Organizers

- S. Ura, Kyoto Inst. Tech.
S. Ozawa, Furukawa Electric Co., Ltd.
K. Kobayashi Tokyo Inst. Tech.

Invited speakers

- K. Kobayashi, Tokyo Inst. Tech.

*"Optical Interconnects:
A Key to Advanced Super Computers"*

- M. Karppinen, VTT
"Integration of Optical Interconnects on Circuit Board"

- H. Schröder, Fraunhofer IZM
*"Projects and Strategy on Electrical-Optical Circuit Board"
(tentative)*

- T. Okayasu, Advantest Corp.
*"Optical Interconnects in Test Memory Systems"
(tentative)*

- D. Kuchta IBM
Y. Taira
*"Optical Interconnect Technology for Server Applications"
(tentative)*

MICROOPTICS REVIEW

Some related topical field of micro-optics are selected as tutorial workshop on the first day of the conference.

- K. Iga, JSPS
"Semiconductor Lasers"

- K. Okamoto, Kagawa Univ.
"LED Applications"

- M. Fukui, Tokushima Univ.
"Surface-Plasmon Optics"

- G. Jin, Tsinghua Univ.
"Microoptics" (tentative)

AWARD CEREMONY & CONFERENCE PARTY

Award ceremony will be held during the conference.

Conference party will be held on the middle day after the conference program followed by “Micro Concert” which is performed by Machida Philharmonic orchestra.

All attendees of MOC '07 and their accompanying person are invited to the conference party.

REGISTRATION

Registration Fees

	Before/On Sept. 20, 2007	After Sept. 20, 2007
Conference (General)	¥45,000	¥50,000
(Student)	¥7,000	¥8,000
Extra Copy of Digest	¥6,000	¥6,000

The registration fee includes admission to MOC '07 and a copy of Technical Digest.

MOC '07 Organizing Committee entrusts **Kinki Nippon Tourist Co., Ltd.** with a part of the management.

The attached "**Registration and Hotel Reservation Form**" should be sent to

MOC'07 Desk

Event & Convention, Kansai

Kinki Nippon Tourist Co., Ltd.

c/o Daiko Imabashi Bldg. 3F

2-4-10, Imabashi, Chuo-ku, Osaka 541-0042 JAPAN

TEL: 81-6-6202-0224

FAX: 81-6-6202-7921

E-Mail: eckansai@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: Bank of Tokyo-Mitsubishi UFJ,

Chiyoda Branch

Account Name: KINKI NIPPON TOURIST CO., LTD.

Account No.: Ordinary Deposit No. 2565402

Phone: +81-47-425-4861

(For domestic attendees)

三菱東京UFJ銀行 千代田支店

口座番号：(普) NO. 2565402

口座名：近畿日本ツーリスト(株)

2. Credit card

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

Pre-registration, by **September 20, 2007**, is encouraged and will be entitled to reduced fees. Upon receipt of registration form and payment, MOC '07 Desk will send an e-mail of confirmation which should be presented at the Conference Registration Desk.

REGISTRATION CANCELLATION POLICY

No refunds of the registration fee will be made for any reasons whatever. In the event of registrant unable to attend the conference, a copy of Technical Digest 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.

The attached "**Registration and Hotel Reservation Form**" should be sent to MOC '07 Desk, Kinki Nippon Tourist Co., Ltd. **no later than Sep. 30, 2007**, together with the **payment of deposit (JPY10,000 per room)** and **handling charge of JPY 500 per room**.

Hotel Name	Code	Room Type	Room Charge * (JPY)	Hotel Location
ANA Hotel Clement Takamatsu	AS	Single	11,025	1 min. walk from JR Takamatsu Station
	AT	Twin	17,325	
	AD	Double	15,225	
RIHGA Hotel Zest Takamatsu	BS	Single	9,450	10 min. walk from JR Takamatsu Station
	BT	Twin	16,800	
	BD	Double	12,600	
Takamatsu Tokyu Inn	CS	Single	9,765	7 min. walk from JR Takamatsu Station
	CT	Twin	14,700	
	CU	Twin (1 person)	11,550	
Takamatsu Century Hotel	DT	Twin	12,600	6 min. walk from JR Takamatsu Station
Takamatsu Terminal Hotel	ES	Single	7,350	3 min. walk from JR Takamatsu Station
	ET	Twin	12,600	

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

**Breakfast is not included in these rates except for Takamatsu Terminal Hotel.

Please refer to the MOC '07 website

(<http://www.comemoc.com/moc07/>) for the hotel location information.

HOTEL CANCELLATION REFUND POLICY

Any kind of cancellation or reservation change must be submitted in writing to MOC '07 Desk, Kinki Nippon Tourist Co., Ltd.

If you cancel this reservation, Kinki Nippon Tourist Co., Ltd. will refund the hotel deposit after deducting respective cancellation fee. For hotel reservation, handling charge of JPY 500 per room is necessary. Please note the handling charge cannot be refunded.

LOCATION OF CONFERENCE SITE

The MOC '07 will take place at Sunport Takamatsu, Takamatsu city, Kagawa prefecture in Shikoku Island, JAPAN. Takamatsu city, the center of Kagawa prefecture is located north-east of Shikoku Island. Besides flights from major cities in Japan, there are direct flights from Seoul to Takamatsu. When visiting Takamatsu city from overseas, travel via Tokyo Haneda Airport (not Narita International) is convenient. Buses will take you to the center of the city from Takamatsu airport (about a 40 min. ride).

Sunport Takamatsu

2-1 Sunport, Takamatsu, Kagawa, 760-0019, Japan

<http://www.symboltower.com/public/hall/en/>



Takamatsu City in Shikoku Island

- Takamatsu city is blessed with scenic beauty and a year-round mild climate. It faces on the *Seto Inland Sea*, a national sea park, dotted with marvelous small islands in the north and commands a beautiful view of the skyline of the Sanuki mountain range to the south. It is a vital political and commercial hub of this area with many branches of the national government and various private enterprises.
- Shikoku Island is surrounded by the *Seto Inland Sea*, the *Japan Current* (a warm ocean current that moderates Japan's climate) and many other natural wonders. The Seto Inland Sea is blue and peaceful, its islands are warm in heart and rich in nature, and the magnificent Seto Ohashi Bridge is perfectly situated within here. This, the best of Kagawa, is what you should see and enjoy.

<http://www.city.takamatsu.kagawa.jp/ENGLISH/index.html>

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*Domestic Members are also Organizing Committee Members.

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F. Oohira (Kagawa Univ.)



Tamamo Park



Ritsurin Park

MOC '07 REGISTRATION & HOTEL RESERVATION FORM

The registration form is also available on the web (<http://www.comemoc.com/moc07>).

Pre-registration Deadline: Sep. 20, 2007 Hotel reservation Deadline: Sep. 30, 2007

Please type or print and return this form by mail or fax to:

MOC '07 Desk, Event & Convention, Kansai, Kinki Nippon Tourist Co., Ltd.

c/o Daiko Imabashi Bldg. 3F, 2-4-10, Imabashi, Chuo-ku, Osaka 541-0042 JAPAN

TEL: 81-6-6202-0224 FAX: 81-6-6202-7921 E-Mail: eckansai@or.knt.co.jp

Fax: +81-6-6202-7921

Name Please check [v] Prof. Dr. Mr. Ms.
Family Name Given Name

Affiliation

Postal Address Please check [v] Office Home

Country

e-mail **Tel** **Fax**

Registration (Please check [v] appropriate box)

On or before Sep. 20, 2007	After Sep. 20, 2007	Sub Total(A): JPY yen
<input type="checkbox"/> General 45,000yen	<input type="checkbox"/> General 50,000yen	
<input type="checkbox"/> Student 7,000yen	<input type="checkbox"/> Student 8,000yen	
<input type="checkbox"/> Extra Copy of Digest 6,000yen × _____ copy(s)		

Hotel Accommodations

1st choice Hotel Code	2nd choice Hotel Code	# of rooms	Check-in date	# of nights
		room(s)	Oct. , 2007	night(s)
{Deposit(10,000yen) + Handling charge(500yen)} × _____ room(s) =			Sub Total(B): JPY	yen

If a shared accommodation is required, please fill in your room partner's name:

Prof. Dr. Mr. Ms. Family Name Given Name

Total Amount Sub Total (A) + (B) = **JPY** yen

Payment

Bank Transfer

I have remitted the amount of JPY _____ on _____ (date).

Bank name: Bank of Tokyo-Mitsubishi UFJ, Chiyoda Branch

Account Name: Kinki Nippon Tourist Co., Ltd.

Account #: Ordinary Deposit No. 2565402

Credit Card Please charge the above total to my credit card.

Type of Card: VISA Master Card American Express JCB Diner's Club

Card Number:

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Expiration Date: (Month) _____ (Year) _____

Holder's Name: _____ (in block letters)

Holder's Signature: _____

Name Tag Registration Please type or print your name and affiliation which you wish to display on your tag.

Name (First, Middle, Family) Affiliation (Abbreviated form)

Accompanying Person's Name (for Conference Party)

I hereby understand and agree to the conditions set forth in this application form and circular.

Date: Signature: