

# The 113th Microoptics Meeting

## Microoptics -How Small, Small Enough

Sponsored by: Microoptics Group, Optical Society of Japan, JSAP

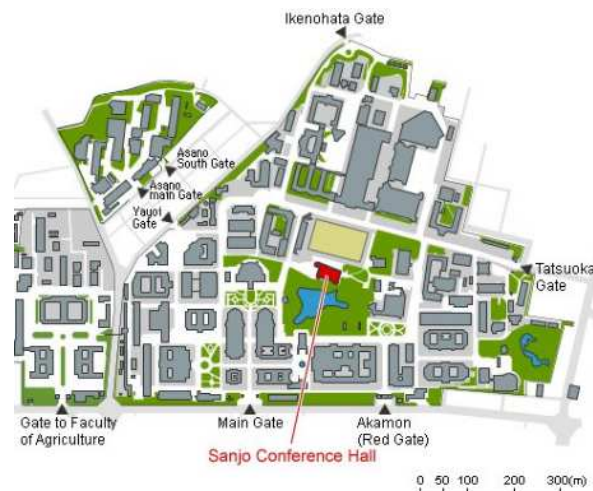


**Date:** July 22, 2009 (Wed.) 10:00-17:00

**Location:** Sanjo Conference Hall (2F)  
Univ. Tokyo (Hongo Campus)  
7-3-1 Hongo, Bunkyo-ku, Tokyo

[http://www.u-tokyo.ac.jp/campusmap/cam01\\_00\\_02\\_e.html](http://www.u-tokyo.ac.jp/campusmap/cam01_00_02_e.html)

**Access:** 6 or 8-minute walk from Hongo-Sanchome Station  
(Subway Oedo or Marunouchi Line)



### Program

- 10:00 ~ 10:10 Opening Remarks
- 10:10 ~ 10:40 Optical Communication Devices Using Silicon Nanostructured Waveguide  
Kensuke Ogawa (Fujikura)
- 10:40 ~ 11:10 Manipulation of Electron-Photon Interaction in 3D Photonic Crystal Nanocavity with Quantum Dots  
Yasuhiko Arakawa, Kanna Aoki, Satoshi Iwamoto, Aniwat Tандаecharurat (Univ. Tokyo)
- 11:10 ~ 11:40 Micro Demultiplexer Fabricated by Self-Assembly of Microspheres Tadashi Mitsui (NIMS)
- 11:40 ~ 12:50 < Lunch Break 70min. >
- 12:50 ~ 13:30 **[Special Lecture]** Ultra-Parallel, Ultra-High-Density Optics Using Photonic Crystals  
Shojiro Kawakami, Takashi Sato, Takayuki Kawashima, Yoshihiko Inoue (Photonic Lattice)
- 13:30 ~ 14:00 Femtosecond Laser Processing in Information Photonics  
Yoshio Hayasaki (Utsunomiya Univ.)
- 14:00 ~ 14:30 Femtosecond Laser Assisted Self-Written Waveguide Okihiro Sugihara (Tohoku Univ.)
- 14:30 ~ 15:00 Multi-Core Holey Fibers for Ultra Large Capacity Wide-Band Transmission  
Katsunori Imamura, Kazunori Mukasa, Yu Mimura, Takeshi Yagi (Furukawa Electric)
- 15:00 ~ 15:20 < Break 20min. >
- 15:20 ~ 15:50 Hollow Fibers for Infrared Light Transmission and Their Applications  
Akihito Hongo (Hitachi Cable)
- 15:50 ~ 16:20 Novel Multi-Core Fibers for Mode Division Multiplexing  
- Proposal of Homogeneous Coupled and Heterogeneous Uncoupled Multi-Core Fibers -  
Yasuo Kokubun (Yokohama National Univ.), Masanori Koshiba (Hokkaido Univ.)
- 16:20 ~ 16:50 160Gbit/s OTDM Signal Communication Technology with Photonic Crystal Fiber  
Takashi Yamamoto, Kenji Kurokawa, Katsusuke Tajima, Toshio Kurashima (NTT)
- 16:50 ~ 17:00 Closing Remarks

**Registration** (On Site Only): General ¥ 4,000 / Student ¥ 1,000

**Steering Members:** S. Yamashita (Univ. Tokyo), O. Sugihara (Tohoku Univ.), K. Takahashi (Sumitomo Electric), S. Kawai (Polytechnic Univ.), Y. Terada (Fujikura), T. Sekiya (HOYA)

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**Microoptics Group:** Kenichi Iga (General Chair), Kenya Goto (Organizing Chair), Kazuo Kuroda (Organizing Vice Chair), Hirochika Nakajima (Steering Chair), Genichi Hatakoshi (Steering Vice Chair)

*The program of the meeting will be updated in the Web page of Microoptics Group (<http://www.comemoc.com/>).*