

The 111th Microoptics Meeting  
**Ultrafast Optical Signal  
Processing and Microoptics**

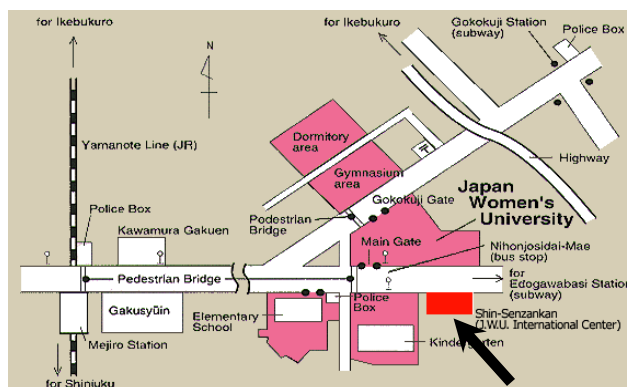


Sponsored by: Microoptics Group, Optical Society of Japan, JSAP

**Date:** March 6, 2009 (Fri.) 10:00-17:20

**Location:** Japan Women's University, Mejiro Campus  
Shin-Senzankan (J.W.U. International Center)  
2-8-1 Mejirodai, Bunkyo-ku, Tokyo  
<http://www.jwu.ac.jp/st/unv/gn/mejiro1.htm>

**Access:** 15 min. walk from Mejiro St.<sup>\*1)</sup>  
(JR Yamanote Line)  
8 min. walk from Zoshigaya St.  
(F10, Tokyo Metro Fukutoshin Line)  
10 min. walk from Gokokuji St.  
(Y11, Tokyo Metro Yurakucho Line)



\*1) Toei Bus is available from Mejiro St. Take Line “白 61” or “学 05”, and get off at “Nihon Joshidai Mae”

### Program

- 10:00–10:10 Opening remarks
- 10:10–10:40 Forward error detection and correction techniques using optical signal processing  
Hiroyuki Uenohara, Masahiro Suzuki and Yohei Aikawa (Tokyo Inst. Tech.)
- 10:40–11:10 The concept and its trends of spatio-temporal optical signal processing  
Tsuyoshi Konishi (Osaka Univ.)
- 11:10–11:50 [Tutorial] Optics for future information society  
Takeshi Kamiya (NICT)
- 11:50–13:20 Lunch break (90 min.)
- 13:20–14:20 [Special Lecture] Ultrafast optical signal processing – Development of optical correlation system and its applications –  
Kashiko Kodate (Japan Women's Univ.)
- 14:10–14:50 Three-dimensional optics for information processing  
Osamu Matoba (Kobe Univ.)
- 14:50–15:10 Break (20 min.)
- 15:10–15:40 High speed spatial light modulator using magneto-optics effect  
Mitsuteru Inoue (Toyohashi Univ. of Tech.)
- 15:40–16:10 Ultrafast all-optical switch utilizing intersubband transitions in quantum well  
Hiroshi Ishikawa (AIST)
- 16:10–16:40 Ultra high speed optical switch using integrated SOA and its system application  
Yasuhiko Aoki (Fujitsu)
- 16:40–17:10 Optical synthesizer and its applications  
Takashi Kurokawa (Tokyo Univ. of Agriculture and Tech.)
- 17:10–17:20 Closing remarks

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**Registration** (On site only): General ¥4000 / Student ¥1000

**Steering Members:** H. Shoji (Eudyna Devices), T. Sasagawa (Mitsubishi Electric), K. Ogawa (Japan Women's Univ.), T. Ishigure (Keio Univ.), Y. Kokubun (Yokohama National Univ.)

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**Microoptics Group:** Kenichi Iga (General Chair), Kenya Goto (Organizing Chair), Hirochika Nakajima (Steering Chair), Yasuo Kokubun (Steering Vice Chair)

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