

The 118th Microoptics Meeting

Advanced Materials for Microoptics



Date: Friday, December 3, 2010 10:20–17:10

Location: Main Conference Room, RIEC, Tohoku Univ.

<http://www.riec.tohoku.ac.jp/access/index-e.shtml>

Access:

On foot

About 20 minutes from JR SENDAI Station

Subway

Take train for TOMIZAWA

Get off at ITSUTSUBASHI Station

Exit : North Exit No.2



Program

10:20~10:30 Opening Remarks

10:30~11:00 **Collective plasmonic property of 2D crystalline sheet composed of Ag nanoparticles**
Kaoru Tamada (Tohoku Univ.), Koichi Okamoto (Kyoto Univ.)

11:00~11:30 **Organic-Inorganic Hybrid Materials and its Application to Optical Films**
Takehiro Morishita, Eui-Chul Kang (NOF), Tadafumi Adschiri (Tohoku Univ.)

11:30~12:00 **Development of UV Curable High Refractive Index Nanocomposite Resin**
Nobuhiko Ueno (Mitsubishi Chemical Group Sci. and Tech. Research Center)

12:00~13:20 <Lunch, 80 min.>

13:20~13:50 **Nano-Ordered Structure Processing of Polymers in Liquid Crystalline Field and Their Application as Optical Materials**
Junji Watanabe (Tokyo Inst. Tech.)

13:50~14:20 **Photochemical ON-OFF Switching of Rotational Motion in Molecular Machine**
Nobuyuki Tamaoki (Hokkaido Univ.)

14:20~14:50 **Flexible Organic Light-Emitting Diode for Automobile Applications**
Koichi Sakaguchi, Kunio Akedo, Toshikazu Satoh, Koji Noda, Masaaki Tsuchimori (Toyota Central R&D) Kenya Goto (Tokai Univ.)

14:50~15:10 **Hot Report of MOC2010**

15:10~15:30 <Break 20min.>

15:30~16:00 **Exploration of Environmentally Friendly Semiconducting Silicides Toward Infrared Light-Emitters and High-Efficiency Thin-Film Solar Cells**
Takashi Suemasu (Tsukuba Univ.)

16:00~16:30 **Fast Optical Deflectors Using KTN Crystals and Their Applications**
Shogo Yagi (NTT Photonics Lab.), Yuzo Sasaki (NTT-AT) Tadayuki Imai, Jun Miyazu, Seiji Toyoda, Masahiro Sasaura (NTT Photonics Lab.)

16:30~17:00 **Crystallization and Its Application to Nonlinear Photonics in Glass Material**
Yoshihiro Takahashi, Rie Ihara, Takumi Fujiwara (Tohoku Univ.)

17:00~17:10 Closing Remarks

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

Steering Members: Hajime Shoji (Sumitomo Electric), Yoshihiro Terada (Fujikura), Tomoyuki Miyamoto (TITECH), Kenichiro Takahashi (Sumitomo Electric), Okihiro Sugihara (Tohoku Univ.)

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Microoptics Group: Kenichi Iga (General Chair), Kenya Goto (Vice Chair)

Kazuo Kuroda (Organizing Committee Chair), Genichi Hatakoshi (Organizing Committee Vice Chair),

Hirochika Nakajima (Steering Committee Chair), Kiyoshi Yokomori (Steering Committee Vice Chair)

The meeting program is updated in the Microoptics Group web page (<http://www.comemoc.com>).