

The 109th Microoptics Meeting Molecular Microoptics – Photon–Molecule Interaction –

Sponsored by: Microoptics Group, Optical Society of Japan



Date: October 9, 2008 (Thr) 10:00–17:30

Location: Waseda University Okubo Campus
Main conference room No. 55 North Bldg 1F
3-4-1, Okubo, Shinjuku-ku, Tokyo
169-8555, Japan

Access: 15-min. walk from Takadanobaba St.
(JR Yamanote Line, Tozai Line(Subway), Seibu)
3-min. walk from Nishi-waseda St. (Subway Fukutoshin Line)
3-min. walk from Toritsu Shogaisha Center -mae bus stop
<http://www.sci.waseda.ac.jp/english/campusmap/index.html>



Program

- 10:00–10:10 Opening Remarks
- 10:10–10:40 [Introductory Talk] Interaction between light wave and molecular vibration
Kenya Goto (Tokai Univ., AIST)
- 10:40–11:10 CARS spectroscopic imaging using a white laser source
Hedeaki Kano (Univ. Tokyo, JST), Hiro-o Hamaguchi (Univ. Tokyo)
- 11:10–11:40 Fast scanning laser Raman microscope featuring multimode line illumination
Takahiro Oode (Nanophoton Corp.)
- 11:40–12:10 Fiber optical Doppler sensor
Yuichi Machijima (LAZOC Inc.)
- 12:10–13:30 (Lunch break)
- 13:30–14:10 [Special lecture] In Vivo Imaging with Multiphoton Excitation-Assisted Photoacoustic Tomography (MEAPAT)
Tetsuro Takamatsu (Kyoto Prefectural Univ. of Medicine)
- 14:10–14:40 Evaluation of various characteristics of tissues and cells for regenerative medicine using optical technology
Miya Ishihara, Makoto Kikuchi (National Defense Medical College)
- 14:40–15:10 Dynamics of water molecules observed by ultrafast spectroscopy
Satoshi Ashihara (Tokyo Univ. of Agriculture and Technology, JST-PRESTO)
- 15:10–15:30 (Break)
- 15:30–16:00 Protein analysis using mid-infrared tunable pulsed laser
Sachiko Suzuki, Tamami Fujita, Kunio Awazu (Osaka Univ.)
- 16:00–16:30 Nonadiabatic nanofabrication by nanophotonics
Motoichi Ohtsu (Univ. Tokyo)
- 16:30–17:00 Light-controlled manipulation and measurement of biological systems –single molecules and cells
Shin'ichi Ishiwata (Waseda Univ.)
- 17:00–17:20 Report on the 14th Microoptics Conference (MOC' 08)
Tetsuya Mizumoto, Akira Arimoto (Microoptics Group)
- 17:20–17:30 Closing remarks

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

Steering Members: N. Mori (Konica Minolta Opto), S. Nakatsuka (Hitachi), G. Hatakoshi (JST), B. Yao (Hitachi Cable), Y. Uozu (Mitsubishi Rayon), H. Nakajima (Waseda 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/>)