



Workshop

UVSOR Workshop III

----Applications of SR in Infrared and Far-Infrared Regions----

November 8 and 9, 1996
Room 101, IMS

Nov. 8 (Fri)

1. Present and Future of UVSOR (14:00-14:45) Chairman: T. Nanba (Kobe Univ.)
Opening remark---Present and Future Plan of UVSOR N. Kosugi (IMS)
Present Status of Accelerator H. Hama (IMS)
Present Status of the Beamlines T. Kinoshita (IMS)
2. Technique in Infrared Spectroscopy (14:45-15:30) Chairman:T. Awano (Tohoku Gakuin Univ.)
Interferometric Method and Step-Scan Technique of FT-IR K. Furuto(Bruker)
On the Available Infrared Detectors T. Kondo (Tohoku Univ.)

Coffee break (15:30-15:45)

- (15:45-16:45) Chairman: M. Kobayashi (Osaka Univ.)
High-pressure technique for infrared-absorption measurement to 100 GPa
K. Aoki (Nat. Inst. Materials and Chemical Research)
Principle and Experience of Time-Resolved IR Spectroscopy
S. Ozaki (Kansai Gakuin Univ.)
- Coffee break (16:45-17:00)

3. Light Source (17:00-18:15) Chairman: M. Sakurai (Kobe Univ.)
Synchrotron Radiation in Infrared and Far-Infrared Region T. Nanba (Kobe Univ.)
Coherent Radiation in the Millimeter-Wave Region at the KURRI-LINAC
T. Takahashi (Kyoto Univ.)
Development of the Ultra High Intensity Far-Infrared Light Source; The Photon Storage
Ring for Studying the Phenomena of Life H. Yamada (Ritsumeikan Univ.)
IR-FEL T. Tomimasu (FEL Lab.)
- Party (18:30- room 304 in UVSOR Bldg.)

Nov. 9 (Sat)

4. Present and Future of IR and FIR Experiments (9:00-10:20) Chairman:T. Kinoshita (IMS)
Present Status of BL-6A1 at UVSOR M. Kamada (IMS)
Present Staus of Infrared Beamline in World and New Project at Spring-8
T. Nanba (Kobe Univ.)
Present and Future IR and FIR experiments at ETH R. Pittini (Tohoku Univ.)
IR and FIR Experiments under Magnetic Fields at UVSOR S. Kimura (IMS)

Coffee break (10:20-10:35)

- (10:35-10:50) Chairman: T. Tahara (IMS)
Millimeter Wave Spectroscopy at UVSOR T. Awano (Tohoku Gakuin Univ.)
Electromagnetic Responses of High-Tc Superconductors in the Millimetr- and Submillimeter-
Wave Regions M. Hangyo (Osaka Univ.)

Infrared Spectroscopy under High Pressure at UVSOR M. Kobayashi (Osaka Univ.)
Far-Infrared Reflection Spectrum under High Pressure at UVSOR
N. Hiraoka (Kobe Univ.)

Lunch (11:50-13:00)

(13:00-14:15) Chairman: T. Kondo (Tohoku Univ.)
Desire for High-Resolution Infrared SR-Spectroscopy H. Nakagawa (Fukui Univ.)
Future Time-Resolved IR Experiments at UVSOR E. Okamura (Kobe Univ.)
Time-Resolved Measurement in The Far-Infrared Region Using Synchrotron Radiation
T. Tahara (IMS)
Design and Testing of Tunable Diode Laser-Based IR Spectrometer for Protein Studies
T. Iwase, T. Ogura and T. Kitagawa (IMS)

Coffee break(14:15-14:30)

(14:30-15:50) Chairman: M. Kamada (IMS)
IR Application to Surface Science M. Kawai (Riken)
EELS and IR at UVSOR M. Sakurai (Kobe Univ.)
Spectroscopic Studies on Organic Superconductors K. Yakushi (IMS)
Proposal of the Solid-State Spectroscopy by Combinational Use of SR and Laser-Induced
FIR lights N. Sarukura (IMS)

5. Free Discussion (15:50-16:30) Chairman: S. Kimura (IMS)
Remarks M. Ikezawa (Tohoku Univ.)
S. Okuda (Osaka Univ.)

General meeting of UVSOR USER'S GROUP*

16:00-19:00, 8 January, 1997 (at Tokyo University)

1. Present status and future prospects of UVSOR Facility
 - (a) Overview about of UVSOR Facility and IMS
 - i. Future plans of UVSOR and IMS N.Kosugi (IMS)
 - ii. Present status of UVSOR -beam lines- T.Kinoshita (IMS)
 - (b) Renewal and improvements of beam lines
 - i. BL6A1 H.Okamura (Kobe Univ.)
 - ii. BL7B K.Fukui (Fukui Univ. & IMS)
2. General assembly of UVSOR USER'S GROUP
 - (a) Reports
 - i. Activity report for 1996
 - ii. Status of registration for membership of UUG
 - (b) Discussion
 - i. about English name of this group
 - ii. about preparation for the Articles of UUG
 - iii. about next staffs of secretary board
 - iv. about adoption system of proposals

* : The official English name of this group is not yet fixed.



A group of participants exercising the evacuation drill for a fire.



Dr. Michael Terekhin, Prof. M. Kamada, Dr. T. Gejo, Mr. S. Fujiwara, and Dr. Ufuktepe (left to right) enjoying a welcome barbecue party.