



Workshop

UVSOR Workshop 1998

----Time-resolved measurements using the synchrotron radiation----

1998 November 18,19
IMS Conference Center

Nov. 18

13:30-13:40 Introduction

Nobuhiro Kosugi (Director of UVSOR, IMS)

13:40-15:40

Time structure of synchrotron radiation and it's application at the SPring-8
Haruo Okuma(SPring-8)

PF-AR Project – Application by using pulsed X-rays.

Hiroshi Kawata(KEK, PF)

Time structure of the VSX light source

Norio Nakamura (ISSP, Univ. of Tokyo)

“New-Subaru” and ultrafast spectroscopy

Yoshihiro Takagi (Himeji Institute of Technology)

16:00-17:45

Status and future of the studies in the ion desorption induced by the core-level excitation

Tetsuji Sekitani (Hiroshima Univ.)

Status of single bunch operation in UVSOR

Masato Hosaka (UVSOR)

Single bunch operation in UVSOR and other facilities

Masao Kamada (UVSOR)

Time-resolved measurement of photoluminescence in amorphous SiO₂ using synchrotron radiation under single-bunch operation.

Yoshimichi Ohki (Waseda Univ.)

Hiroyuki Nishikawa (Tokyo Metropolitan Univ.)

Nov. 19

9:00-10:40

Introduction of pulsed field ionization photoelectron spectroscopy at ALS

Koichiro Mitsuke (IMS)

ZEKE measurements using the synchrotron radiation

Yumio Morioka (Tsukuba Univ.)

Chemical reactions in gas phase as studied by pulsed synchrotron radiation
Noriyuki Kouchi (Tokyo Institute of Technology)

Ion pair formation from Freon molecules following soft X-ray absorption
using the selective PIPICO technique
Isao Suzuki (Electrotechnical Laboratory)

11:00-12:15

Synchrotron radiation-laser combination studies of gaseous molecules.
Masakazu Mizutani (IMS)

Two-photon spectroscopy of condensed matters with synchrotron radiation and
laser
Toru Tsujibayashi (Osaka Dental Univ.)

Time-resolved two-photon photoelectron spectroscopy
Susumu Ogawa (Hitachi)

13:30-15:10

Performance and usage of high-speed photon detectors
Takeshi Taguchi, Eiji Kume (Hamamatsu Photonics)

Availability of SR pulse light in solid state spectroscopy
Hideyuki Nakagawa (Fukui Univ.)

Time-resolved photoluminescence and laser damage toughness of CaF_2 single
crystals for VUV photolithography.
Mizuguchi Masafumi, Hideo Hosono (Tokyo Institute of Technology)

Core-luminescence studies under single-bunch operation of UVSOR
Minoru Itoh (Shinshu Univ.)

15:30-17:35

Time-resolved single photon counting of biological materials
Mieko Taniguchi (Nagoya Univ.)

Present and future of time-resolved infra-red spectroscopy using SR.
Eiichi Okamura (Kobe Univ.)

Electron ion coincidence spectroscopy and its time structure
Mitsuru Nagasono (IMS)

Time-of-flight measurement of photo-desorbed species from rare gas solids
Ichiro Arakawa (Gakushuin Univ.)

Time-response of the photo-induced desorption
Masao Kamada (UVSOR)