

2nd Asian Workshop on Generation and Applications of Coherent XUV and X-ray Radiation

RIKEN Wako Institute, Saitama, Japan

(Cooperation center (Kenkyu-Kouryuu Tou) (South Area no.60)

Meeting Room W318-321, 3rd floor)

Program

Wednesday, May 30th 17:00-19:00 Welcome Reception (Meeting Room W318-321)

Thursday, May 31st

Opening Remarks 10:00-10:10

Attosecond Pulse Generation and its Applications 10:10-12:30

I-1 **Autocorrelation measurement of an attosecond pulse train** (30 min.)

Yasuo Nabekawa (RIKEN)

I-2 **Generation of ultra-broad and tunable XUV supercontinua in two-color laser fields** (30 min.)

Ya Cheng and Zhizhan Xu (SIOM)

11:10-11:30 Coffee Break

I-3 **XUV continuum generation with sub-10-fs two-color field** (30 min.)

Akira Suda (RIKEN)

I-4 **New schemes for isolated attosecond pulse generation** (30 min.)

Peixiang Lu (Huazhong Univ)

12:30-14:00 Lunch Break

High-order harmonic Generation and its applications 14:00-15:50

Keynote 1 **Progress in harmonic generation and its application** (50 min.)

Shuntaro Watanabe (Tokyo Univ.)

I-5 **Generation and characterization of attosecond harmonic pulses** (30 min.)

Chang Hee Nam (KAIST)

I-6 **Generation of high order harmonic radiation and intense a few cycle laser**
(30 min.)

Ruxin. Li (SIOM)

15:50-16:10 Coffee Break

16:10-17:40 Poster Session

17:50-19:50 Reception (Hirosawa Club (Central Area no.9))

Friday, June 1st

X-ray Generation and its Applications 9:30-12:20

- I-7 **Dramatic enhancement of high-order harmonic generation** (30 min.)
Kenichi L. Ishikawa, and Eiji J. Takahashi. (Tokyo Univ.)
- I-8 **Intense few-cycle optical parametric chirped-pulse amplification system for relativistic high-harmonic generation** (30 min.)
Koichi Yamakawa, M. Aoyama, Y. Akahane, K. Ogawa,
K. Tsuji, and A. Sugiyama (JAEA)
- I-9 **Generation of bright coherent x-rays at APRI by using x-ray lasers and high Harmonics** (30 min.)
Chul Min Kim (APRI)

11:00-11:20 Coffee Break

- I-10 **Development of plasma x-ray lasers in JAEA** (30 min.)
Tetsuya Kawachi (JAEA)
- I-11 **Dynamic imaging of femtosecond laser ablation plume by spatiotemporally-resolved XAFS technique** (30 min.)
Hidetoshi Nakano (NTT Basic Research Lab.)

12:20-13:30 Lunch Break

High-field Physics 13:30-15:20

- Keynote 2 **Optical Accelerators: from Science to Real-world Applications** (50 min.)
Yoshiaki Kato (JAEA)
- I-12 **Ultrafast X-ray generation research activities at POSTECH** (30 min.)
Dong-Eon Kim (POSTECH)
- I-13 **Lattice dynamics in laser-irradiated semiconductors studied by ultrafast time-resolved X-ray diffraction** (30 min.)
Kazutaka G. Nakamura, Hiroaki Kishimura, and Yoichiro Hironaka
(Tokyo Inst. of Technology)

Closing Remarks 15:20-15:30

15:45- Laboratory Tours