

*International Symposium on Generation and Application of
Carrier Envelope Phase Locked Pulses and Attosecond Pulses*

March 12, 2010

Room 201, Chemistry Bldg. (East), Honogo Campus

Department of Chemistry, School of Science, The University of Tokyo

Sponsors

Consortium on Education and Research on Advanced Laser Science (CORAL),

School of Science, The University of Tokyo

Grant-in-Aid for Specially Promoted Research on Ultrafast Hydrogen Migration, MEXT

Grant-in-Aid for Global COE Program for Chemistry Innovation, MEXT

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| 13:30 - 13:40 | Opening Remarks
Kaoru Yamanouchi (University of Tokyo) |
| 13:40 - 14:20 | "Infrared two-color multicycle laser field synthesis for generating an intense attosecond pulse"
Katsumi Midorikawa (RIKEN) |
| 14:20 - 15:00 | "High-order harmonics of CEP locked few-cycle laser pulse for time-resolved spectroscopy"
Hidetoshi Nakano (NTT) |
| 15:00 - 15:10 | Coffee break |
| 15:10 - 15:35 | "The Phasemeter - measurement of the absolute carrier envelope phase -"
Tim Rathje (Friedrich-Schiller-Universität Jena) |
| 15:35 - 16:00 | "Carrier envelope stabilization of high repetition high power laser system for investigating ultrafast hydrogen migration in intense laser fields"
Tomoya Okino (University of Tokyo) |

- 16:00 - 16:25 "Coincidence momentum imaging of ultrafast hydrogen migration in allene and methanol in intense laser fields"
Huailiang Xu (University of Tokyo, Jilin University)
- 16:25 - 16:40 Coffee break
- 16:40 - 17:05 "A multiconfiguration wave function approach to electronic and nuclear dynamics in molecules interacting with intense laser fields beyond Born-Oppenheimer approximation"
Tsuyoshi Kato (University of Tokyo)
- 17:05 - 17:30 "Electron-positron pair creation with attosecond pulses"
Erik Loetstedt (University of Tokyo)
- 17:30 - 17:55 "Ultrafast filament birefringence in gases"
Claude Marceau (Laval University)
- 17:55 - 18:00 Concluding Remarks
Kaoru Yamanouchi (University of Tokyo)
- 18:00 - 19:30 Reception