

## **Mini-Symposium on “Electronic and Structural Dynamics”**

Date: July 31st, 2018

Place: Seminar room, 3rd floor, IMRAM West Building 2, Katahira campus, Tohoku University

13:30 Opening remark by Kiyoshi Ueda

**Reaction microscope** (Discussion leader: Kiyoshi Ueda)

13:35 Markus Schöffler (Goethe-Universität Frankfurt am Main, Germany)

“Atoms and molecules under reaction microscope”

14:15 Hironobu Fukuzawa (IMRAM, Tohoku University, Japan)

“X-ray induced intramolecular and interatomic electronic decay revealed by SACLA”

**Dynamics illuminated by brilliant light sources** (Discussion leader: Misaki Okunishi)

14:35 Florian Trinter (DESY, Germany)

“Science at the world best soft x-ray beam line of the highest brilliance synchrotron radiation facility PETRA III”

15:15 Daehyun You (IMRAM, Tohoku University, Japan)

“Attosecond delays in photoionization of Ne atoms, investigated with seeded FEL”

15:35–15:55 coffee break

**Dynamic molecular imaging: Utilization of electron beam** (Discussion leader: Noboru Watanabe)

15:55 Le Yu (IMRAM, Tohoku University, Japan/Northwest University, China)

“Unveiling electron momentum spectroscopy of Acetone upon 195 nm laser excitation by nonadiabatic ab initio molecular dynamics simulation”

16:15 Masakazu Yamazaki (IMRAM, Tohoku University, Japan)

“Towards momentum-space imaging of nuclear dynamics by time-resolved electron scattering spectroscopy”

**Dynamic molecular imaging: Utilization of intense laser** (Discussion leader: Manabu Kanno)

16:35 Kilian Fehre (Goethe-Universität Frankfurt am Main, Germany)

“Strong Field Ionization of Chiral Molecules”

17:15 Kaoru Yamazaki (IMR, Tohoku University, Japan)

“Ultrafast nonadiabatic cascade and subsequent photofragmentation of XUV excited caffeine molecule”

17:35 Misaki Okunishi (IMRAM, Tohoku University, Japan)

“Angle-resolved photoelectron momentum distributions of rescattering electrons from small molecules in intense laser fields”

17:55 Concluding remark by Hironobu Fukuzawa