

## International symposium on ultrafast electronic and structural dynamics

March 7-8, 2018

Place: Seminar room 1, International center of educational reserch, Institute for Materials Research, Tohoku University, Sendai, Japan

Chair: Kaoru Yamazaki

Co-chairs: Kiyoshi Ueda & Hirohiko Kono

Sponsors : PCoMS, NJRC, Five-star Alliance

March, 7

From	To	Type	No	Name	Affireation	Title
<b>Chair</b>				<b>Kaoru Yamazaki</b>		
8:55	9:00			Kaoru Yamazaki	Tohoku University	Welcome Address
9:00	10:00	Planary	P1	Fernando Martin	Universidad Autónoma de Madrid	Imaging and controlling attosecond electron dynamics in molecules: a theoretical outlook
10:00	10:30	Invited	I1	Takeshi Sato	University of Tokyo	Time-dependent wave function-based methods for intense laser-driven multielectron dynamics in atoms and molecules
10:30	11:00	Invited	I2	Tomoya Okino	RIKEN	Attosecond spectroscopy of molecules with ion momentum imaging
11:00	11:30	Invited	I3	You Daehyun	Tohoku University	Attosecond interferometry and coherent control at FERMI
11:30	13:00					Free discussion with lunch
<b>Chair</b>				<b>Kiyoshi Ueda</b>		
13:00	14:00	Planary	P2	Olga Smirnova	Max-Born Institute	Locally and globally chiral optical fields for controlling ultrafast chiral dynamics
14:00	14:30	Invited	I4	Mizuho Fushitani	Nagoya University	Ultrafast XUV-NIR photoelectron spectroscopy of electron-core wave packet dynamics in Rydberg N <sub>2</sub>
14:30	15:00	Invited	I5	Ryuji Itakura	QST	Orientation-resolved molecular photoionization dynamics in intense laser fields
15:00	15:30	Invited	I6	Toru Morishita	University of Erectro-Communications	Photoionization of hydrogen in a strong static electric field
15:30	16:00	Invited		Akiyoshi Hishikawa	Nagoya University	Laser tunneling imaging of molecular photoexcitation
16:00	16:30					Tea break
16:30	17:30	Planary	P3	Misha Ivanov	Max-Born Institute	High harmonic spectroscopy of field-driven and topological phase transitions in solids
17:30	18:00	Invited	I7	Kazuhiro Yabana	Tsukuba University	First-principles calculation for interaction of strong laser pulse with dielectrics
18:00	18:30	Invited	I8	Jiro Itatani	Universtiy of Tokyo	Intense light sources at long wavelength for attosecond science at higher energy and in solids
19:00	21:00	banquet				

March, 8

From	To	Type	No	Name	Affireation	Title
<b>Chair</b>				<b>Hirohiko Kono</b>		
9:00	10:00	Planary	P4	Franck Lepine	CNRS, Institut Lumiere Matiere (Lyon)	Attosecond and femtosecond XUV induced dynamics in 2D molecules: coherence and many-body effects
10:00	11:00	Planary	P5	Thomas Fennel	University of Rostock	New routes to imaging and controlling attosecond electron dynamics at the nanoscale
11:00	11:30	Invited	I9	Reika Kanya	University of Tokyo	Ultrafast streaking of electron diffraction patterns by laser-assisted electron scattering
11:30	12:00	Invited	I10	Kenichi L. Ishikawa	University of Tokyo	Simulations of high harmonic generation from semiconductors
12:00	12:05			Hirohiko Kono	Tohoku University	Closing address