Program

Sunday, 4 June, 2017	Sendai Subway Tōzai Line "International Center" station 2F Wind terrace of greenery
15:00 - 18:00	Registration
18:00 - 20:00	Welcome reception

Monday, 5 June, 2017			Sendai International Center Tachibana (2F)
8:00	-	9:00	**Registration**
9:00	-	9:15	**Welcome**
			Charge order & Charge density wave 1
9:15	-	9:40	**Richard D. Averitt** Ultrafast dynamics and control in transition metal oxides
9:40	-	10:00	**Tadahiko Ishikawa** Photo-induced dynamics of $Me_4P[Pt(dmit)_2]_2$
10:00	-	10:20	**Akira Takahashi** Photoinduced metal-insulator transition due to dynamical localization in α-type and κ-type BEDT-TTF salts
10:20	-	10:40	**Yaroslav A. Gerasimenko** Microscopic imaging of the hidden state in electronic crystal
10:40	-	11:10	Coffee break
			Strongly correlated system
11:10	-	11:35	**Martin Eckstein** Manipulating correlated electron systems with short electric field transients
11:35	-	11:55	**Tatsuya Miyamoto** Probing ultrafast spin dynamics coupled with charge excitations in the cuprate Mott insulator Nd_2CuO_4
11:55	-	12:15	**Yohei Kawakami** Ultrafast orbital excitation by 6 fs pulse in V_2O_3
12:15	-	14:00	Lunch
			Surface
14:00	-	14:25	**Dragan Mihailović** Metastability of mesoscopic quantum defects in electronic crystals excited by lasers pulses
14:25	-	14:50	**M. Horn-von Hoegen** 1D Atomic Wires at Surfaces: Ultrafast non-equilibrium structural dynamics in the Si(111)-In (8x2)<>(4x1) system at the quantum limit
14:50	-	15:10	**Keiki Fukumoto** Spatial, temporal, and spectral observation of photo-excited states using fs-PEEM
15:10	-	15:30	**Chris W. Nicholson** Ultrafast Peierls Transition in In/Si(111) nanowires probed by trARPES
15:30	-	16:00	Coffee break
			Superconductor 1
16:00	-	16:25	**Shik Shin** Time-resolved ARPES study on multi-orbital Fe superconductors
16:25	-	16:50	**Daniele Nicoletti** Signatures of non-equilibrium superconductivity in high-temperature K_3C_{60}
16:50	-	17:10	**Daniele Fausti** Mid-IR control of local charge order in optimally doped superconducting Y-B2212
17:10	-	17:30	**Giacomo Mazza** Non-equilibrium superconductivity in driven alkali-doped fullerides
17:30	-	19:30	**Poster session**

Tuesday, 6 June, 2017			Sendai International Center Tachibana (2F)
Strong field-matter coupling 1			
9:00	-	9:25	**Fabian Langer** Terahertz-lightwave acceleration: Quasiparticle collisions and high-harmonic wave-shaping
9:25	-	9:50	**Koichiro Tanaka** Higher-order harmonic generation in monolayer materials
9:50	-	10:15	**Takashi Oka** Floquet engineering: Dynamically generating Dirac, Weyl, and Landau states
10:15	-	10:35	**Etienne Janod** A microscopic mechanism for the electric-field-induced out-of-equilibrium properties of Mott insulators
10:35	-	11:05	Coffee break
Strong field-matter coupling 2			
11:05	-	11:30	**Peter Prelovšek** Many-body localization – search for an ideal nonequilibrium system
11:30	-	11:50	**Laurent Cario** A single component artificial neuron using new states of matter created in Mott Insulators under electric field
11:50	-	12:15	**Shinichiro Iwai** Dressed charge state induced by driving field of 6-fs infrared light in organic dimer Mott system
12:15	-	14:00	Lunch
Magnetism 1			
14:00	-	14:25	**Eric Collet** Watching and controlling structural coherence during photoinduced spin state switching
14:25	-	14:50	**Shin-ichi Adachi** Visualizing chemical reactions in solution with femtosecond X-ray scattering
14:50	-	15:15	**Maciej Lorenc** Long-range interactions following laser excitations launched into a material
15:15	-	15:40	**Alexey V. Kimel** Cold opto-magnetic recording at the edge of time
15:40	-	16:10	Coffee break
Magnetism 2			
16:10	-	16:35	**Theo Rasing** Ultrafast manipulation of dielectric and magnetic states
16:35	-	17:00	**Tobia F. Nova** An effective magnetic field from optically driven phonons
17:00	-	17:20	**Jae D. Lee** Subfemtosecond demagnetization and spin transport
17:20	-	17:45	**Sumio Ishihara** Optical manipulation of magnetism in a correlated electron system
17:45	-	19:45	**Poster session**

Wednesday, 7 June, 2017			Sendai International Center Tachibana (2F)
Plenary			
9:00	-	9:45	**Keith A. Nelson** From THz to X-rays: New experimental methods for study of photoinduced phase transitions
Charge order & Charge density wave 2			
9:45	-	10:10	**Keisuke Tominaga** Vibrational dynamics of the CO stretching of 9-fluorenone and its derivatives studied by visible-pump and infrared-probe spectroscopy
10:10	-	10:30	Coffee break
10:30	-	10:55	**Uwe Bovensiepen** Excitations driven by femtosecond laser pulses in complex materials: Challenges and opportunities
10:55	-	11:15	**Igor Vaskivskyi** Interplay between different photo- and current induced orders in 1T-TaS_2 revealed by STM and optical time-resolved spectroscopy
11:15	-	11:40	**Kenji Yonemitsu** Photoinduced enhancement of anisotropic charge correlations in quarter-filled triangular systems with trimers
11:40	-	12:00	**Hirotake Itoh** Time-domain THz spectroscopy of photoinduced phase transition in charge ordered organic ferroelectrics α-$(ET)_2I_3$
12:30	-	17:20	**Lunch & Excursion (Matsushima)**

Thursday, 8 June, 2017			Sendai International Center Tachibana (2F)
Plenary			
9:00	-	9:45	**Yoshinori Tokura** Potoinduced phenomena in quantum topological materials
Structure change			
9:45	-	10:10	**Chong-Yu Ruan** Imaging dynamical scaling responses of photoinduced phase transitions by femtosecond coherent electron beams
10:10	-	10:30	**Roman Bertoni** Carrier and lattice dynamics in WSe_2
10:30	-	11:00	Coffee break
11:00	-	11:25	**Jure Demšar** Cooperative atomic motion probed by femtosecond electron diffraction
11:25	-	11:50	**Masaki Hada** Molecular dynamics of photofunctionalized liquid crystals
11:50	-	12:10	**Claire Daniele Laulhe** Photo-induced phase transition between charge density wave states in 1T-TaS_2
12:10	-	12:30	Conference photo
12:30	-	14:20	Lunch
Ferroelectrics 1			
14:20	-	14:45	**Steven L. Johnson** A direct view of coherent structural dynamics in ferroelectrics and ferromagnets with femtosecond x-ray diffraction
14:45	-	15:10	**Hiroshi Okamoto** Terahertz-field-induced Mott transition and ferroelectricity in correlated electron materials
15:10	-	15:30	**Kaoru Iwano** Photoinduced ultrafast disappearance of ferroelectricity observed in a hydrogen-bonded ferroelectric crystal of croconic acid
15:30	-	16:00	Coffee break
Ferroelectrics 2			
16:00	-	16:25	**Yoichi Okimoto** Ultrafast polarity control of solids studied by time-resolved femtosecond spectroscopy
16:25	-	16:45	**Selene Mor** Ultrafast electronic band gap control in an excitonic insulator
16:45	-	17:05	**Noriaki Kida** Terahertz radiation by photoinduced ionic to neutral phase transition in tetrathiafulvalene-p-chloranil (TTF-CA)
18:30	-	20:30	**Conference dinner (Hotel Metropolitan Sendai)**

Friday, 9 June, 2017			Sendai International Center Tachibana (2F)
Superconductor 2 & Topological insulator			
9:00	-	9:25	**Thomas P. Devereaux** Optical materials design of transition-metal dichalcogenides and frustrated Mott insulators
9:25	-	9:50	**Ryo Shimano** Higgs mode in conventional and unconventional superconductors
9:50	-	10:10	**Naoto Tsuji** Nonlinear light-Higgs coupling in superconductors: Effects of the phonon-mediated retarded interaction
10:10	-	10:40	Coffee break
10:40	-	11:05	**Philipp Werner** Signatures of electron-boson interactions in photo-doped Mott insulators
11:05	-	11:30	**Naoki Ogawa** Photocurrent generation with topology and Berry phase
11:30	-	11:50	**Yann Gallais** Nematic quantum critical point and collective resonant mode in iron- based superconductors
11:50	-	12:15	**Shinya Koshihara** Ultrafast photo-control of charge-structure coupled order in Strongly correlated matters utilizing hidden state
12:15	-	12:30	**Closing**
			Departure