

PIPT2008/Yamada Conf. LXIII

Invited speakers

- I-11-1 Keiichiro Nasu (IMSS KEK)**
Early history and contemporary theoretical concepts of photo-induced structural phase transitions
- I-11-2 Hiroko Tokoro (Univ. Tokyo)**
Light-induced phase collapse in a rubidium manganese hexacyanoferrate
- I-11-3 Jean-François Létard (CNRS/Bordeaux)**
Towards the stabilization of the photo-induced High-Spin state
- I-11-4 Azzedine Bousseksou (CNRS/Toulouse)**
The spin crossover molecular materials : From molecule to molecular devices
- I-11-5 Eric Collet (Univ. Rennes 1)**
Photoinduced spin-state switching driven by a femtosecond laser flash and its out of equilibrium dynamics
- I-11-6 Kenichi Yoshikawa (Kyoto Univ.)**
Emergence of exotic spatio-temporal structure under photon flux
- I-11-7 Kamel Boukheddaden (Univ. Versailles)**
Light-induced phase separation in spin-crossover solids: the microscopic mechanism of the self-organisation under light.
- I-11-8 Seiji Miyashita (Univ. Tokyo)**
New type of ordering process with volume change of molecule in the spin-crossover transition, and new aspects of dynamical processes
- I-11-9 Shinichiro Iwai (Tohoku Univ.)**
Ultrafast mid-IR and terahertz optical responses in layered BEDT-TTF based organic conductors
- I-11-10 Ken Onda (Tokyo Tech.)**
Diverse photoinduced phase transitions in $(\text{EDO-TTF})_2\text{PF}_6$
- I-11-11 Kenji Yonemitsu (IMS)**
Photoinduced melting and charge order in quarter-filled organic conductors: Itinerant electron systems with competing interactions
- I-11-12 Akira Takahashi (NAIST)**
Dynamics of photoinduced insulator-metal transition in one-dimensional Mott insulators
- I-12-1 Keith A. Nelson (MIT)**
Nonlinear time-resolved terahertz spectroscopy of dynamic electronic and lattice responses
- I-12-2 Richard D. Averitt (Boston Univ.)**
Dynamic spin lattice coupling in multiferroics
- I-12-3 Koichiro Tanaka (Kyoto Univ.)**
Terahertz time-domain attenuated total reflection spectroscopy for photo-induced phase transition
- I-12-4 Noriaki Kida (ERATO)**
Electrically driven spin excitation at THz frequencies in ferroelectric magnets

Oral speakers

- O-11-1 Naohide Matsumoto (Kumamoto Univ.)**
Spin crossover and LIESST effect of new Iron(II) complexes with imidazole containing ligands
- O-11-2 Hiroshi Watanabe (Kyoto Univ.)**
Two-step relaxation phenomena from photo-induced meta-stable state in $[\text{FeH}_2\text{L}_2\text{-Me}](\text{ClO}_4)_2$ compound
- O-11-3 Hiroyuki Matsuzaki (Univ. Tokyo)**
Ultrafast dynamics of photoinduced neutral-ionic phase transitions in charge transfer compounds with quantum paraelectricity
- O-11-4 Kaoru Iwano (KEK)**
Ultra-fast domain dynamics in low-dimensional electronic systems: Quantized size, dispersion, and spin dissipation
- O-11-5 Hideki Yamochi (Kyoto Univ.)**
Overview of the properties of $(\text{EDO-TTF})_2\text{PF}_6$ and related materials
- O-12-1 Masaaki Ashida (Osaka Univ.)**
Ultra-broadband terahertz time-domain spectroscopy for the study of photo-induced phase
- O-12-2 Hideki Nakaya (Tohoku Univ.)**
Ultrafast THz response of photo-induced insulator to metal transition in charge ordered organic conductor $\alpha\text{-(BEDT-TTF)}_2\text{I}_3$
- O-12-3 Masakazu Matsubara (AIST)**
Ultrafast photocontrol of a multiferroic GaFeO_3
- O-12-4 Masaki Takesada (Hokkaido Univ.)**
Photoinduced cooperative phenomena in ferroelectric layered perovskites studied by high resolution Raman scattering
- O-12-5 Masayuki Watanabe (Kyoto Univ.)**
Photo-induced changes in charge-ordered state of Ti_4O_7
- O-12-6 Simon Wall (Oxford Univ.)**
Probing strongly correlated electron dynamics on extreme timescales
- O-12-7 Yoichi Okimoto (Tokyo Tech.)**
Photoinduced insulator-metal transition in $\text{Pr}_{1/2}\text{Ca}_{1/2}\text{CoO}_3$ as studied by femtosecond spectroscopy
- O-13-1 Takuma Ohashi (Osaka Univ.)**
Exciton Mott transition and pair condensation in the electron hole system
- O-13-2 Kunio Ishida (Toshiba)**
Theoretical study on the coherent nonlinear dynamics of photoinduced structural change
- O-13-3 Naoto Tsuji (Univ. Tokyo)**
Photoinduced insulator-metal transition and nonlinear optical response of correlated electrons --- a DMFT analysis
- O-13-4 Hiromasa Ohnishi (IMSS KEK)**
Density functional study of a photo-induced phase in graphite

- O-13-5 T. Ichibayashi (Osaka Univ.)**
Ultrafast carrier dynamics in Si studied by time-resolved two-photon photoemission spectroscopy
- O-13-6 Kotaro Ishiji (Kyusyu SLC)**
Observation of x-ray induced phase transition of cesium manganese hexacyanoferrates
- O-14-1 Junko Omachi (Univ. Tokyo)**
Formation control of electron-hole droplets in diamond
by a weak pulse injection
- O-15-1 Davide Boschetto (LOA Polytech.)**
Photo-induced phase transition in Bismuth crystal

- P-17** **Ikuzo Kanazawa** (Tokyo Gakugei Univ.)
Photo-induced magnetic solitons and the long relaxation mechanism in diluted magnetic semiconductors
- P-18** **Ikufumi Katayama** (Yokohana National Univ.)
Precursor of two-photon induced phase transition in organic radical TTTA crystals
- P-19** **Yoshinori Kitajima** (PF IMSS KEK)
First observation of soft X-ray induced phase transition of $\text{RbMn}[\text{Fe}(\text{CN})_6]$ studied by Fe L-edge X-ray absorption spectroscopy
- P-20** **Yuka Koyama** (Kobe Univ.)
Observation of coherent phonons in Ca-doped SrTiO_3 : Doping-induced ferroelectric phase transition and ultraviolet-illumination effect
- P-21** **JaeDong Lee** (JAIST)
Generation of coherent phonons in a one-dimensional quarter-filled organic compound
- P-22** **Maciej Lorenc** (Univ. Rennes 1)
Optical probing of an out of equilibrium metal-insulator transition: a comparative study of (EDO-TTF)₂X salts
- P-23** **Mitsuhiko Maesato** (Kyoto Univ.)
Control of metal-insulator transition in (EDO-TTF)₂SbF₆
- P-24** **Nobuya Maeshima** (Univ. Tsukuba)
Photogenerated polaronic state in a one-dimensional dimerized Mott insulator K-TCNQ
- P-25** **Masakazu Matsubara** (AIST)
Ultrafast photoinduced spin and charge dynamics in magnetoresistive manganites
- P-26** **Hiroaki Matsueda** (Sendai)
Numerical study of relaxation dynamics in spin-charge coupled system
- P-27** **Hiroyuki Matsuzaki** (Univ. Tokyo)
Ultrafast photocontrol among charge density wave, Mott insulator and metal in one-dimensional iodine-bridged platinum compound
- P-28** **Dmitry Mazurenko** (Univ. Groningen)
Dynamics of spin and orbital phase transitions in YVO_3
- P-29** **Tomoo Miyahara** (QCRI)
Theoretical study of photo-induced phase transition in TTF-TCNE
- P-30** **Satoshi Miyashita** (IMS)
Effects of spin fluctuations, charge fluctuations and lattice distortions on charge orders in θ - and α -type BEDT-TTF salts
- P-31** **Gabor Molnar** (CNRS)
Photoinduced phase transition in spin crossover complexes within the thermal hysteresis region
- P-32** **Shinichiro Mouri** (Kyoto Univ.)
Relaxation path from the photo-induced state of the two coupled sub-lattices Ising-like system
- P-33** **Tsuyoshi Murata** (Kyoto Univ.)
Crystal structure and physical properties of an alloy of (EDO-TTF)₂PF₆ and (MeEDO-TTF)₂PF₆

- P-34 Yoshiaki Nakano (Kyoto Univ.)**
Anion size and isotope effect in $(\text{EDO-TTF})_2\text{XF}_6$
- P-35 Taishi Nishihara (Kyoto Univ.)**
Control of the macroscopic phase by utilizing the large difference in the extinction length
- P-36 Masamichi Nishino (NIMS)**
Dynamical properties of photoinduced phenomena in spin-crossover systems from the view point of elastic interactions
- P-37 Shunsuke Nozawa (ERATO)**
Investigation of the dynamic behavior in Prussian blue analogs by means of the time-resolved XAFS
- P-38 Sho Ogihara (Tokyo Tech.)**
New photo-induced phase by high photon density excitation in $(\text{EDO-TTF})_2\text{PF}_6$
- P-39 Nobuhiro Ohta (Hokkaido Univ.)**
Memory effect of photoinduced conductivity switching controlled by pulsed voltages in a molecular conductor
- P-40 Yasumasa Ohta (Univ. Tokyo)**
Photoinduced transitions from Mott-Hubbard state to metal or charge-density-wave state in Br-bridged Pd-chain compound
- P-41 Takashi Oka (Univ. Tokyo)**
Photo-induced Hall effect in graphene
- P-42 Sébastien Pillet (Nancy Univ.)**
Participation of like-spin domains in the thermally and light induced spin transition of $[\text{Fe}(\text{btr})_2(\text{NCS})_2]\cdot\text{H}_2\text{O}$: dynamical aspects
- P-43 Tokushi Sato (Tokyo Tech.)**
100-picosecond time-resolved X-ray absorption fine structure of $\text{FeII}(1,10\text{-phenanthroline})_3$
- P-44 Mami Segawa (NAIST)**
Disorder effects on relaxation of photoexcited states in one-dimensional Mott insulators
- P-45 Marina Servol (Univ. Rennes 1)**
Ultrafast photoswitching of the bistable spin-crossover crystal $[(\text{TPA})\text{Fe}(\text{TCC})]\text{PF}_6$
- P-46 Yukihiro Shimoi (AIST/NRI)**
Hidden spin polarization in the high-temperature structure of $(\text{EDO-TTF})_2\text{PF}_6$ and its optical signature revealed by DFT calculations
- P-47 Oleh I. Shpotyuk (SRCC)**
Kinetics-description algorithm for photo-soaked relaxation in amorphous chalcogenide films
- P-48 Oleh I. Shpotyuk (SRCC)**
Acceleration of structural relaxation in network glasses by the above-bandgap photoexposure
- P-49 Jun Takeda (Yokohama National Univ.)**
Real-time time-frequency two-dimensional mapping of ultrafast excited-state dynamics and energy flow in biomaterials
- P-50 Kou Takubo (Univ. Tokyo)**
Photo-induced charge-orbital switching in transition-metal compounds probed by photoemission spectroscopy

- P-51 Naoko Takubo (Univ. Tokyo)**
Effect of UV light irradiation in SnO₂ thin films
- P-52 Yasuhiro Tanaka (IMS)**
Photoinduced melting of charge order in quasi-two-dimensional organic conductors
- P-53 Shoichi Tao (Univ. Tokyo)**
Ultrafast optical responses in one-dimensional Mott insulators of halogen-bridged Ni compounds
- P-54 Raanan Tobey (Oxford Univ.)**
Non-thermal melting of orbital order in La_{1/2}Sr_{3/2}MnO₄ by coherent excitation of a Mn-O stretching mode
- P-55 Ayana Tomita (Tokyo Tech.)**
Slow ligand migration dynamics in sperm whale carbonmonoxy myoglobin at cryogenic temperature
- P-56 Tomoya Ueda (Osaka Univ.)**
Exciton Mott transition in electron-hole systems: Dynamical mean-field theory for the continuous-space model
- P-57 Hirotaka Uemura (Univ. Tokyo)**
Ultrafast photoinduced melting of spin-Peierls phase in potassium-tetracyanoquinodimethane
- P-58 Petra J. van Koningsbruggen (Univ. Groningen)**
Control of photomagnetic behaviour in heterobimetallic Prussian Blue analogs
- P-59 Francois Varret (GEMAC CNRS)**
Light-induced phase separation (LIPS) observed in [Fe(ptz)₆](BF₄)₂ single crystal by photo-magnetic and neutron diffraction studies
- P-60 Kouta Watanabe (Osaka Univ.)**
Multi-excitonic effects on optical spectra of semiconducting carbon nanotubes