23th September (Tuesday)

18:00-20:30	-Registration & petit welcome-	

24th September (Wednesday)

10:20-10:45	Opening	-
Discussioin leader: **Tohru Suemoto**		
10:45-11:15	R.J. Dwayne Miller	Mapping Atomic Motions with Ultrabright Electrons: The Chemists ' Gedanken Experiment Enters the Lab Frame
11:15-11:45	Kenji Ohmori	Exploring Quantum-Classical Boundary with Light
11:45-12:15	Hidefumi Akiyama	Smart Nano Light Emitters: Device physics of semiconductor lasers and firefly bioluminescence
12:15-14:00	-Lunch & Poster-	-
Discussioin leader: **Bernard Barbara**		
14:00-14:30	Arzhang Ardavan	Coherent interactions in molecular nanomagnet dimers
14:30-15:00	Hiroyuki Nojiri	Fast Spin Reversal at Level Crossing and EPR Line Width
15:00-15:15	-Coffee break-	-
15:15-15:45	Irinel Chiorescu	Spin dynamics in quantum magnets using high field electron paramagnetic resonance
15:45-16:15	Lapo Bogani	Controlling molecular magnets: from weak to strong coupling to photons
16:15-17:30	-Short talk presentation of poster (3min x 17)-	
17:30-17:45	-Ceremonial photograph & Coffee break-	
17:45-18:15	Bernard Barbara	-Special lecture- New aspects of dissipative and coherent magnetism
18:15-18:45	Toshimitsu Yamazaki	-Special lecture- Playing with Metastable Exotic Atoms, Molecules and Nuclei constituents - a revived Heitler-London-Heisenberg mechanism
19:00-21:30	-Banquet-	-
21:30-22:00	-Private discussion-	-

25th September (Thursday)

Discussioin leader: **Seigo Tarucha**		
09:00-09:20	Seigo Tarucha	Overview
09:20-09:50	Christopher Eichler	Simulating Interacting Quantum Gases with a Superconducting Circuit
09:50-10:20	Koichi Semba	Superconducting Flux Qubit & Electron Spin Ensemble in Diamond Hybrid Quantum System
10:20-10:35	-Coffee break-	-
10:35-11:05	Albert Schliesser	Exploiting Field-Enhanced Coupling of Photons to Phonons for an Electro-Opto-Mechanical Transduction Cascade
11:05-11:35	Akira Oiwa	Conversion from a single photon to a single electron spin using electrically controlled quantum dots
11:35-12:05	Thomas Pfeifer	Physics of Resonances in Short and Strong Fields
12:05-12:35	Atsushi Noguchi	Quantum tunneling rotor in a Linear Paul Trap
12:35-13:30	-Lunch & Poster-	-
13:30-18:00	-Conference tour-	-
18:00-19:30	-Dinner-	-
19:30-20:30	Daniel Esteve	-Special lecture- Superconducting processors of quantum information: state of the art, challenges, new routes
20:30-21:30	-Private discussion-	-

26th September (Friday)

Discussioin leader: **Shin-ya Koshihara**		
09:00-09:30	Isabella Gierz	Exciting Graphene - interband Transitions, Free Carrier Absorption, and Phonon Pumping
09:30-10:00	Takashi Oka	Floquet topological phase transitions: Control of solid state systems by laser
10:00-10:15	-Coffee break-	-
10:15-10:45	Nuh Gedik	Observation Of Floquet-Bloch states on the surface of a topological insulator
10:45-11:15	Hiroshi Okamoto	New Aspects of Photoinduced Phase Transitions in Correlated Electron Materials
11:15-11:45	Ryo Shimano	Real-time observation of Higgs mode in superconductors
11:45-12:15	Tohru Suemoto	Observation and control of spin dynamics by a impulsive magnetic field of terahertz radiation
12:15-14:00	-Lunch & Poster-	-
Discussioin leader: **Hervé Cailleau**		
14:00-14:20	Hervé Cailleau	Overview
14:20-14:50	Shin-ichi Ohkoshi	Novel magneto-optical functionalities in cyano-bridged bimetal assemblies and metal oxide nanomaterials
14:50-15:20	Eric Collet	Photoinduced dynamics in spin-crossover solids: from femtosecond molecular switching to cooperative response driven by elastic interaction
15:20-15:35	-Coffee break-	-
15:35-16:05	Shin-ya Koshihara	Search for a hidden phase based on the photo-induced cooperative effect
16:05-16:35	Peter Hommelhoff	Control of free electrons by phase-controlled laser pulses: from a nanoscale vacuum tube diode to laser-based particle acceleration
16:35-17:05	Kenji Yonemitsu	Pulsed vs. CW Laser Excitations: Different Controlling Mechanisms of Photoinduced Charge Transfers in Molecular Crystals
17:05-16:13	Shik Shin	Time-resolved photoemission study on strongly-correlated materials
17:35-18:00	-Free discussion & poster-	
18:00-19:30	-Dinner-	-
19:30-20:30	Alfred Leitenstorfer	-Special lecture- Time-Domain Quantum Physics
20:30-21:30	-Private discussion-	-

27th September (Saturday)

Discussioin leader: **Daniel Esteve**		
09:00-09:30	Hans De Raedt	Simulation of (driven) decoherence and spin transport in spin-1/2 systems
09:30-10:00	Franco Nori	Electron vortex beams in a magnetic field: A new twist on Landau levels and Aharonov-Bohm states
10:00-10:15	-Coffee break -	-
10:15-10:45	Dieter H. Jaksch	Tensor Network Theory and applications in non-equilibrium condensed matter physics
10:45-11:15	Hiroko Tokoro	Unique functionalities on a charge-transfer phase transition material of rubidium manganese hexacyanoferrate
11:15-11:45	Shoji Yamamoto	Phototunable Magnetism in Octacyano-Bridged Bimetallic Assemblies
11:45-12:15	Yasunobu Nakamura	Toward quantum magnonics: hybridizing magnon mode in ferromagnet with superconducting qubit
12:15-12:45	Seiji Miyashita	Collapse of metastable states in quantum systems with time dependent fields
12:45-13:00	-Closing-	-

Poster presentation

24th (Wednesday) 16:15-17:30 -Short talk presentation-

P-01	Nao Yamaya	Ultrafast spectroscopic study of layered perovskite-type cobalt oxides
P-02	Yuki I. Hamada	Development of time-resolved terahertz near-field microscope for observing ultrafast spatiotemporal dynamics in solids
P-03	Masahiro Sato	Theory for Dynamical Control of Magnetization and Chirality in Quantum Magnets and Multiferroics
P-04	Sergio Andraus	A study of correlations in the Dyson model
P-05	Tatsuhiko Shirai	Periodically driven steady states independent of the structures of a thermal bath
P-06	Kenta Imoto	Fe-[$Nb(CN)_8$]-based three dimensional assembly exhibiting photo-induced spin-crossover magnetization
P-07	Kosuke Nakagawa	Interaction between magnetic ordering and ionic conductivity on Prussian blue analogs
P-08	Noriaki Ozaki	Photo-induced magnetization effect in an octacyano-CoW bimetal assembly
P-09	Marie Yoshikiyo	Electronic structure and magnetic properties of ε -Fe_2O_3
P-10	Asuka Namai	The study of magnetic properties of epsilon-iron oxide exhibiting gigantic coercive field
P-11	Tadahiko Ishikawa	Photo-induced dynamics of Pt(dmit)2 salts studied by optical spectroscopy and electron-diffraction technique
P-12	Yoichi Okimoto	Ultrafast ferroelectric control of a cobalt oxide $BiCoO_3$
P-13	Rekishu Yamazaki	Development of Opto-Electromechanical System as a Quantum Transducer
P-14	Takashi Mori	Natural correlation between a system and a thermal reservoir and the Markovianity of reduced dynamics
P-15	Christian Sommer	Ultrafast coherent control of an ultracold Rydberg gas
P-16	Eric Heintz	Photoinduced domain wall kickoff in Single Chain Magnets
P-17	Go Yumoto	Nonlinear terahertz Faraday rotation in monolayer epitaxial graphene