

Monday November 16		
Room CD		
Session: New trends in ultrafast magnetization dynamics I		
Chair: Vasily Temnov		
13:05-13:30	CD01: Thickness dependency and layer selective All-Optical magnetization switching in GdFeCo single/double layer film	Arata Tsukamoto Nihon University, Japan P1
13:30-13:55	CD02: Separation of ultrafast spin currents and spin-flip scattering driven by femtosecond laser excitation via the complex magneto-optical Kerr effect	Andrea Eschenlohr Duisburg-Essen University, Germany P2
13:55-14:20	CD03: Multiscale dynamics and the role of exchange interaction in all-optical magnetic switching	Andrei Kirilyuk Radboud University Nijmegen, Netherlands P3
14:20-14:45	CD04: Ultrafast Magnetization Dynamics by Time Resolved XMCD	Christine Boeglin CNRS, Inst Phys Chim Mat Strasbourg, France
14:45-15:10	CD05: Dynamics of magneto-plasmons in self-assembled gold nanoparticles	Oleksandr Kovalenko IPCMS, France
15:10-15:25	Session Break	
Session: Fundamentals and applications of magneto-photonics I		
Chair: Christine Boeglin		
15:25-15:50	CD06: Ultrafast dynamics of spins and spin currents: magnetic storage and spintronic THz emitter	Markus Muenzenberg Ernst-Moritz-Arndt University Greifswald, Germany
15:50-16:15	CD07: Ultrafast demagnetization of Fe ₃ O ₄ and γ -Fe ₂ O ₃ nanoparticles	Erwan Terrier IPCMS, France
16:15-16:40	CD08: The role of plasmonic and geometric excitation modes in magneto-optics	Andreas Berger CIC nanoGUNE, Spain
16:40-17:05	CD09: Study of picosecond charge photogeneration in organic donor-acceptor blends for photovoltaic application using transient photoinduced magnetic field response	Valy Vardeny University of Utah, USA
17:05-17:30	CD10: Time-resolved magneto-optics as an efficient tool for characterization of ferromagnetic semiconductors	Eva Schmoranzero Charles University in Prague, Czech Republic
17:30-17:55	CD11: Ultrafast thermally induced dynamics at metal-ferromagnet interfaces	Vasily Temnov IMMM CNRS, France
18:00	Dinner Social	

Tuesday November 17		
Room B		
Session: Photo-induced phase transitions and dynamics in solids I Chair: Yu Gong		
08:00-08:25	B01: Ultrafast Quantum Control of Multiple Quantum Dot Excitons	Kimberley Hall Dalhousie University, Canada P13
08:25-08:50	B02: Ultrafast sublattice demagnetization dynamics of multiferroic TbMnO ₃	Elisabeth Bothschafter Swiss Light Source, PSI Villigen, Switzerland P14
08:50-09:15	B03 Ultrafast Photoinduced Charge and Spin Dynamics in Correlated Electron Materials	Sumio Ishihara Tohoku University, Japan P15
09:15-09:40	B04: Femtosecond relaxation dynamics in CDW molybdenum suboxides: Mo ₈ O ₂₃ and η-Mo ₄ O ₁₁	Milos Borovsak Jozef Stefan Institute, Slovenia P16
09:40-10:05	B05: Strong field effect induced by nearly single-cycle 7fs, 10 MV/cm infrared light in correlated organic conductors	Shinichiro Iwai Tohoku University, Japan P17
10:05-10:30	B06: Photoinduced Phase Transitions Studied by Time-resolved Vibrational Spectroscopy	Ken Onda Tokyo Institute of Technology, Japan P18
10:30-10:40	Session Break	
Session: General I Chair: Sumio Ishihara		
10:40-11:05	B07: The role of fluctuations and ultrafast atomic diffusion in phase transitions at surfaces	Antonio Tejada University Paris Sud, France P19
11:05-11:30	B08: Study of Long-lived Propagating Surface Plasmons on a Gold Surface by Time-resolved Photoemission Spectroscopy	Yu Gong Pacific Northwest National Lab, USA P20
11:30-11:55	B09: Femto-Second Optical Pulse Response of 1550nm-band Quantum Dot Semiconductor Optical Amplifier Grown on InP(311)B Substrate	Atsushi Matsumoto NICT, Japan P21
11:55-12:20	B10: Si and GaAs picosecond-range high-voltage diodes	Pavel Rodin Ioffe Physicotechnical Institute, Russia P22
12:20-13:15	Lunch Break	
Session: Ultrashort Laser Pulse I Chair: Luca Piazza		
13:20-13:45	B11: Ultrashort Laser Pulse Measurement: Two Steps Forward and Several Steps	Rick Trebino Georgia Institute of Technology,

	Backward	USA P24
13:45-14:10	B12: Modeling Ultrashort Pulse Propagation through Low f# Systems	Frank Wyrowski Friedrich-Schiller-Universität Jena, Germany P25
14:10-14:35	B13: Nonlinear microscale heat transfer and thermoelasticity in a multi-layered thin-film induced by an ultrashort laser pulse using a dual-hyperbolic two-temperature model	Yung-Ming Lee Feng Chia University, Taiwan P26
14:35-15:00	B14: A Mach-Zehnder interferometer for the unique phase retrieval of ultrashort pulses	Birger Seifert Pontificia University Catolica Chile, Chile P27
15:00-15:25	Session Break (Poster Session in Room Hallway)	
	P01: Properties of carrier recombination in nonpolar and semipolar InGaN quantum wells	Saulius Marcinkevicius KTH Royal Inst Technol, Sweden P89
Session: Ultrafast Nanostructures Chair: Yung-Ming Lee		
15:25-15:50	B15: All-optical switching of complex magnetic nanostructures	Denise Hinzke Universität Konstanz, Germany P28
15:50-16:15	B16: Simultaneous observation of the quantization and the interference pattern of a plasmonic near-field	Luca Piazza KTH, Sweden P28
16:15-16:40	B17: In-fiber structures generated with ultrafast-laser inscription technique	Xuewen Shu Huazhong University of Science and Technology, China P29
16:40-17:05	B18: Plasmonic nanofocusing for ultrafast, nonlinear background-free imaging and spectroscopy	Joanna Atkin University of North Carolina, USA P30
17:05-17:30	B19: Ultrafast Analog Optical Analytics and Data Compression	Bahram Jalali University California Los Angeles, USA P31
17:30	Dinner Social	
19:00	Show	

Tuesday November 17		
Room C		
Session: New trends in ultrafast magnetization dynamics II		Chair: Viktor Pavlov
13:20-13:45	C01: Frequency Tunable Surface Magneto-Elastic Waves in a Nickel Film	Raanan Tobey Groningen University, Netherlands P32
13:45-14:10	C02: Straintronics: Energy efficient computing with magneto-elastically coupled nanomagnets	Jayasimha Atulasimha Virginia Commonwealth University, USA P33
14:10-14:35	C03: Phonon-Driven Ultrafast Demagnetization in a Ferrimagnetic Insulator	Alexander Paarmann Fritz Haber Institute of the Max Planck Society, Germany P34
14:35-15:00	C04: Diffusive spin currents in pump and probe experiments	Johannes Kimling University of Illinois at Urbana-Champaign, USA P35
15:00-15:25	Session Break (Poster Session in Room Hallway)	
Session: Fundamentals and applications of magneto-photonics II		Chair: Jayasimha Atulasimha
15:25-15:50	C05: Hot electrons driven ultrafast demagnetization	Gregory Malinowski Université de Lorraine, France P36
15:50-16:15	C06: Coherent Nonlinear Magneto-Optical Phenomena in Dielectrics and Semiconductors	Viktor Pavlov Ioffe Physical-Technical Institute of the Russian Academy of Sciences, Russian P37
16:15-16:40	C07: Ultrafast Magnetism of Ferrimagnetic Oxides Driven by Electronic and Phononic Excitations	Ilie Radu Technical University Berlin, Germany P38
16:40-17:05	C08: Localized surface plasmon mediated ultrafast demagnetization	Byoung-Chul Choi University of Victoria, Canada P39
17:05-17:30	C09: Controlling the phase of the magnetization precession in nano-magnets	Mircea Vomir CNRS IPCMS, France P40
17:30	Dinner Social	
19:00	Show	

Wednesday November 18		
Room B		
Session: General ultrafast dynamics I Chair: Yoichi Okimoto		
08:00-08:25	B20: Ultrafast X-ray Studies of Interfacial Charge Transfer Dynamics	Oliver Gessner Lawrence Berkeley National Laboratory, USA P41
08:25-08:50	B21: Dynamics of coupled magnetic oscillators excited with picosecond acoustic pulses	Vishal Shokeen IPCMS, France P42
08:50-09:15	B22: Ultrafast dynamics and stabilization in Kerr frequency combs	Chee Wei Wong University of California Los Angeles, USA P43
09:15-09:40	B23: Ultrafast dynamics in molecules and materials	Anindya Dutta Indian Institute of Technology, India P43
09:40-10:05	B24: Nonequilibrium magnetization dynamics beyond the three temperature model	Karel Carva Charles University in Prague, Czech Republic P44
10:05-10:20	Session Break	
Session: Photo-induced phase transitions and dynamics in solids II		
Chair: Vishal Shokeen		
10:20-10:45	B25: Random and Solitary Nanostructures Created by Ultrashort Laser Action	Nail Inogamov Landau Institute for Theoretical Physics, Russia P45
10:45-11:10	B26: Photoexcited states in cobalt perovskites	Yoichi Okimoto Tokyo Institute of Technology, Japan P46
11:10-11:35	B27: Unveiling the interactions among low- and high-energy excitations in strongly correlated electron systems by means of time-resolved spectroscopic measurements on La ₂ CuO ₄	Vittorio Cataudella University of Naples Federico II, Italy P47
11:35-12:00	B28: Ultrafast transition to the stable hidden state in 1T-TaS ₂	Igor Vaskivskyi Jozef Stefan Institute, Slovenia P48
12:00-13:25	Lunch Break	
Session: Photo-induced phase transitions and dynamics in solids III		
Chair: Zenghu Chang		

13:30-13:55	B29: Ultrafast Dynamics of Interactions and Emergent Order in Stripe-Phase Nickelates	Robert Kaindl Berkeley Lab, USA P48
13:55-14:20	B30: Towards resolving structural deformation in laser-illuminated solids	Peter Gaal Institut for Nanostructure and Solid State Physics, Germany P50
14:20-14:45	B31: Dephasing mechanism of exciton quantum beat oscillation	Osamu Kojima Kobe University, Japan P51
14:45-15:10	B32: Femtosecond all-optical relaxation dynamics in iron based pnictides	Tomaz Mertelj Jozef Stefan Institute, Slovenia P52
15:10-15:25	Session Break	
Session: General ultrafast dynamics II Chair: Peter Gaal		
15:25-15:50	B33: The Orbital Based View on Reaction Dynamics and Implications of Adding the Dimension of Time to Science with Soft X-Rays	Alexander Foehlich Universität Potsdam, Germany P53
15:50-16:15	B34: Next generation attosecond source development for studying electron dynamics in condensed matter	Zenghu Chang University of Central Florida, USA P54
16:15-16:40	B35: Relaxation dynamics of carrier spin and phase in GaN and GaN/AlGaIn quantum wells	Pierre Gilliot IPCMS-DON, France P55
16:40-17:05	B36: Physical Properties and Ultrafast Dynamics of Dicationic Ionic Liquids: Comparison with Monocationic Ionic Liquids	Hideaki Shirota Chiba University, Japan P55
17:05-17:30	B37: Methods for Molecular Dynamics at Extreme Pressures and Temperatures	Laurence Fried Lawrence Livermore National Laboratory, USA P57
18:00	Dinner Social	

Wednesday November 18**Room C****Session: General II Chair: Chris McDonald**

08:00-08:25	C10: Compact ultrafast EO modulators and high-power DUV-LEDs based on photonic crystal structures	Shin-ichiro Inoue Advanced ICT Research Institute, NICT, Japan P58
08:25-08:50	C11: Ultrafast control of magnetic materials	Ulrich Nowak Universität Konstanz, Germany P59
08:50-09:15	C12: Polariton assisted cooling of a solid-state microcavity involving ultrafast phonon-polariton scattering	Yoan Leger FOTON laboratory, CNRS research unit, France P60
09:15-09:40	C13: Quantum simulations with laser pulses for tomorrow's chemistry	Fabien Gatti University Montpellier 2, France P61
09:40-10:05	C14: SESAM-modelocked Yb:LuO thin disk laser with record-low average output power and ultralong pulse duration	Thomas Suedmeyer University Neuchatel, Switzerland P62
10:05-10:20	Session Break	
Session: Ultrafast THz physics Chair: Ulrich Nowak		
10:20-10:45	C15: Terahertz-driven strong-field effects in magnetic thin films, semiconductors and air	Christoph Hauri Paul Scherrer Institut, Switzerland P63
10:45-11:10	C16: High-harmonic generation in solids: linking attosecond science and solid state physics	Chris McDonald University of Ottawa, Canada P64
11:10-11:35	C17: Photoconducting Terahertz Radiation Emitter for Time-Domain Terahertz System Applications	Ingrid Wilke Rensselaer Polytechnic Institute P65
11:35-12:00	C18: Terahertz conductivity in semiconductor nanostructures and its relation to charge transport	Hynek Nemeč Academy of Sciences of the Czech Republic, Czech Republic P66
12:00-13:25	Lunch Break	

Wednesday November 18**Room D****Session: General III Chair: Elisabet Romero**

08:00-08:25	D01: Population inversion of two-level quantum dot exciton in presence of strong phonon-induced dephasing	Andrew Ramsay Hitachi Cambridge Laboratory, UK P67
08:25-08:50	D02: Towards applications of nonlinear time resolved X-ray spectroscopy	Gregor Knopp Paul Scherrer Institute, Switzerland P68
08:50-09:15	D03: Energy transfer in nano sized systems	Kizhakeyil Lukose Sebastian Indian Institute of Science, India P69
09:15-09:40	D04: A microscopic description of laser-driven coherent synchrotron emission	Steven Cousens Queen's University Belfast, UK P70
09:40-10:05	D05: Time-Resolved Surface Crystallography by Streak-camera Electron diffraction	Tadashi Abukawa Tohoku University, Japan P71
10:05-10:20	Session Break	
Session: Femtobiology Chair: Gregor Knopp		
10:20-10:45	D06: Transition state spectroscopy of the reactions induced by coherent molecular vibration in the electronic ground state	Izumi Iwakura Kanagawa University, Japan P72
10:45-11:10	D07: The Quantum Design of Solar-energy Conversion in Photosynthesis	Elisabet Romero VU University Amsterdam, Netherlands P74
11:10-11:35	D08: Selective multi-photon excitation by tailored laser pulses after optical fibers	Albrecht Lindinger Freie Universität Berlin, Germany P75
11:35-12:00	D09: A 2D-IR photon echo study of ultrafast interfacial dynamics at the surface of hydrated DNA	Torsten Siebert Max Born Institute Berlin, Germany P76
12:00-13:25	Lunch Break	
Session: Photoconductivity Chair: Nicolas Thire		
13:30-13:55	D10: Charge carrier dynamics in silicon nanomaterials	Andre Kaplan University of Birmingham, UK P77
13:55-14:20	D11: Carrier Lifetimes in a III-V Intermediate Band Solar Cell Material	James Heyman Macalester College, USA P78
14:20-14:45	D12: Controlling The Cavity Field For Ultrafast Photonic Devices	Chaoyuan Jin University of Sheffield, UK

		P79
14:45-15:10	D13: Novel photophenomena in self-assembled hBN/Graphene 3D hybrid structures	Bala Murali Krishna Mariserla Okinawa Institute of Science & Technology Graduate University, Japan P80
15:10-15:25	Session Break	
Session: Ultrashort Laser Pulse II Chair: James Heyman		
15:25-15:50	D14: Optical comb/pulse synthesis by electro-optic modulation	Takahide Sakamoto National Institute of Information and Communications Technology, Japan P81
15:50-16:15	D15: Intense ultrashort infrared sources and their applications	Nicolas Thire INRS – EMT, Canada P82
16:15-16:40	D16: Ultrashort pulse generation directly from diode-pumped mode-locked laser with intracavity highly nonlinear medium	Sakae Kawato University of Fukui, Japan P83
16:40-17:05	D17: Techniques and aspects of machining with ultrashort laser pulses	Wagner De Rossi Inst Pesquisas Energet & Nucl IPEN CNEN SP, Brazil P85
17:05-17:30	D18: Relativistic quasi-single-cycle laser pulses and their applications	Laszlo Veisz Max-Planck-Institut fuer Quantenoptik, Germany P86
17:30-17:55	D19: Industrial Applications of Ultrafast Lasers	David Gaudiosi Coherent Inc., USA P87
18:00	Dinner Social	
Thursday November 19		
One Day Excursion		