

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 Registration	X-Ray and far UV II	Spin Lattice II	X-Ray and far UV III	TeraHertz II
9:15 – 9:30 W. Hübner Welcome and Introduction Spin Lattice I	9:00 – 9:30 M. Barthelemy (invited) Tue-1 Identical momenta dynamics of Ni and Fe in Permalloy probed over the demagnetization and precession relaxation with High order Harmonics	9:00 – 9:30 A. Kalashnikova (invited) Wed-1 Ultrafast laser-induced changes of magnetic anisotropy in low-symmetry films	9:00 – 9:30 R. Adam Thu-1 Electron- and Spin-Dynamics in Co/Cu(001) During Ultrafast Laser-Induced Demagnetization	9:00 – 9:30 D. Turchinovich (invited) Fri-1 Terahertz spintronics with cold and hot electrons
9:30 – 9:45 J.-Y. Bigot Mon-1 Progresses in ultrafast demagnetization and spins transport in ferromagnetic films	9:30 – 9:45 K. Carva Tue-2 Magnetic excitations induced during femtosecond demagnetization	9:30 – 9:45 J. Liu Wed-2 Strain modulation of ultrafast spin-dynamics on endohedral fullerenes	9:30 – 9:45 T. Pincelli Thu-2 HAXPES study of Magnetization Relaxation Dynamics in La _{0.66} Sr _{0.33} MnO ₃ Films	9:30 – 9:45 T. Seifert Fri-2 Spintronics goes terahertz: exploiting ultrafast spin currents in magnetic heterostructures
9:45 – 10:00 M. Fechner Mon-2 Spin-phonon coupling in the non-linear phononic limit: The effect of non-linear phonons on magnetic structure and dynamics	9:45 – 10:00 S. Weber Tue-3 Electron dynamics driving ultrafast magnetization dynamics in itinerant ferromagnets and alloys	9:45 – 10:00 K. Leckron Wed-3 Ultrafast spindynamics in a ferromagnetic Rashba model: Elliott-Yafet vs. Dyakonov-Perel Mechanisms	9:45 – 10:00 E. Jal Thu-3 Structural dynamics during laser-induced ultrafast demagnetization	9:45 – 10:00 N. Bhattacharjee Fri-3 Antiferromagnetic resonance in Mn:Au probed by time domain THz spectroscopy
10:00 – 10:15 R. Pisarev Mon-3 Excitation of multiple coherent phonon modes in CuB ₂ O ₄ via non-resonant impulsive stimulated Raman scattering	10:00 – 10:15 Y. Quessab Tue-4 Fs- and ps-laser-induced domain wall motion in Co/Pt thin films showing helicity-dependent all-optical switching	10:00 – 10:15 P. Maldonado Wed-4 Theory of out-of-equilibrium dynamics and first principles determination of ultrafast relaxation processes in metals	10:00 – 10:15 M. Bargheer Thu-4 Ultrafast X-ray Diffraction Experiments Quantify the Transient Temperatures in Gold/Nickel Nanolayers	10:00 – 10:15 A. Donges Fri-4 Ultrafast spin dynamics driven by intense THz pulses: coherent vs. non-coherent response
10:15 – 10:30 M. Peeters Mon-4 Analysis of all-optical switching in Pt/Co/Pt	10:15 – 10:30 M. Logunov Tue-5 All-optical control of the nanoscale domain wall motion	10:15 – 10:30 T. Nussle Wed-5 Magneto-mechanical interplay for torque-driven topological dynamics	Magnetic Monopoles 10:15 – 10:30 J. Wegrowe Thu-5 The geometrical phase, the magnetic monopole and the reminiscence of the fast degrees of freedom (inertia) on the magnetization dynamics.	Coherent Dynamics II 10:15 – 10:30 J. Mentink Fri-5 Many-body approach to angular momentum transfer: renormalization of the Landé g-factor
10:30 – 11:00 Coffee	10:30 – 11:00 Coffee	10:30 – 11:00 Coffee	10:30 – 11:00 Coffee	10:30 – 11:00 Coffee
TeraHertz I		Coherent Dynamics I	Switching II	
11:00 – 11:30 R. Mikhaylovskiy (invited) Mon-5 Nonlinear terahertz spin control	11:00 – 11:30 G. Malinowski (invited) Tue-6 Hot electron induced ultrafast demagnetization and magnetization reversal	11:00 – 11:30 M. Eckstein (invited) Wed-6 Dynamics of magnetism in correlated electron systems on the timescale of the exchange interaction	11:00 – 11:30 O. Eriksson (invited) Thu-6 A multi-scale method for ultrafast magnetisation dynamics	11:00 – 11:30 G. Lefkidis (invited) Fri-6 Conceptualizing laser-induced quantum-logic operations for nanospintronic devices
11:30 11:45 G. Li Mon-6 Femtosecond Control of Electric Currents at Interfaces of Spintronic Heterostructures	11:30 – 11:45 K. Prabhakara Tue-7 Spatial and temporal dynamics of the laser-induced magnetization reversal in Y ₃ Fe ₅ O ₁₂	11:30 – 11:45 G. Zhang Wed-7 Time-dependent and exchange-renormalized density functional study of ultrafast demagnetization in ferromagnets	11:30 – 11:45 C. von Korff Schmising Thu-7 Domain texture of thin Co/Pt multilayers in single- and multi-shot helicity dependent all optical switching	11:30 – 11:45 O. Kovalenko Fri-7 Magneto-plasmonic dynamic of self-assembled gold nanoparticles
11:45 – 12:00 J. Heitz Mon-7 Ultrafast magnetization dynamics triggered by intense terahertz pulses	11:45 – 12:00 S. van Dijken Tue-8 Plasmon-induced demagnetization and magnetic switching in Ni nanoparticle arrays	11:45 – 12:00 C. Tzschaschel Wed-8 Ultrafast optical excitation of coherent magnons in nitiferromagnetic NIO	11:45 – 12:00 R. Ababei Thu-8 Atomistic simulation of exchange coupled composite (ECC) toward heat assisted magnetic recording (HAMR)	11:45 – 12:00 V. Belotelov Fri-8 Excitation of spin waves in iron garnet films by a train of fs-laser pulses
12:00 – 12:15 C. Braggio Mon-8 Optical control of the magnetization in YIG via Multi-GHz laser pulses	12:00 – 12:15 A. Stupakiewicz Tue-9 Ultrafast nonthermal all-optical magnetic recording	12:00 – 12:15 W. Töws Wed-9 Role of the initial excitation process on the induced ultrafast magnetization dynamics in transition metals	12:00 – 12:15 Y. Xu Thu-9 Ultra-fast magnetization manipulation using femtosecond light and hot-electrons single pulse	12:00 M. Aeschlimann Summary and Farewell Invitation to UMC2019
12:15 – 12:30 I. Radu Mon-9 THz-driven Ultrafast Magnetization Switching of a Ferrimagnet	12:15 – 12:30 J. Walowski Tue-10 Magnetization switching of FePt nanoparticle recording media by femtosecond laser pulses	12:15 – 12:30 D. Schummer Wed-10 Separation of optical and magnetic response in gold films excited by circularly polarized laser pulses	12:15 – 12:30 A. Pattabi Thu-10 Single shot ultrafast all optical magnetization switching of ferromagnetic Co/Pt multilayers	12:30 Lunch and Departure
12:30 – 14:00 Lunch	12:30 – 14:00 Lunch	12:30 – 14:00 Lunch	12:30 – 14:00 Lunch	
	Magneto-Transport II	Spin Photoemission		
14:00 – 14:30 S. Bonetti (invited) Mon-10 THz-driven ultrafast magnetization dynamics	14:00 – 14:30 P. Némec (invited) Tue-11 Optical determination of the Néel vector in a CuMnAs thin-film antiferromagnet	14:00 – 14:30 M. Weinelt (invited) Wed-11 Transient electronic structure and ultrafast spin-dependent electron dynamics in lanthanide metals	14:00 – 14:30 R. Evans (invited) Thu-11 Ultrafast spin dynamics of topological magnetic structures Magnetic domain walls	
Magneto-Transport I	14:30 – 14:45 B. Stadtmüller Tue-12 Speed and efficiency of femtosecond spin current injection into a non-magnetic material	14:30 – 14:45 R. Gort Wed-12 Measuring the magnetization dynamic on the valence band of iron using a efficient spin detector in combination with a compact High Harmonic Source	14:30 – 14:45 R. Reeve Thu-12 Magnetic Imaging of Topological Spin Structure Dynamics due to Spin-Orbit Effects	
14:30 – 14:45 D. Nenzo Mon-11 Simulation of hot-electron dynamics in a Fe/Au-bilayer	14:45 – 15:00 A. Eschenlohr Tue-13 Quantifying the spin current mean free path in laser-induced ultrafast spin transport	14:45 – 15:00 C. Boeglin Wed-13 Magnetization dynamics in Co,Gd _{100-x} films by time resolved resonant photoemission	14:45 – 15:00 C. Gutt Thu-13 Ultrafast nanoscale magnetization-reversal in the domain wall area at a metal/ferromagnetic film interface	
14:45 – 15:00 G. Manfredi Mon-12 Spin Current Generation by Ultrafast Laser Pulses in Ferromagnetic Nickel Films	15:00 – 15:15 F. Freimuth Tue-14 Laser-excitation of photocurrents in inversion asymmetric ferromagnets	15:00 – 15:15 K. Hricovini Wed-14 Bulk Half-metallicity in the Surface Electron Spin Dynamics: application to Fe ₃ O ₄	15:00 – 15:15 G. Cao Thu-14 Visualization of domain wall motion during ultrafast demagnetization of permalloy	
15:00 – 15:15 A. Danilov Mon-13 Dynamical coupling of ferromagnetic layers in optically-excited spin valve structure	15:15 – 15:30 J. Briones Tue-15 Monte Carlo simulation of the non-equilibrium spin dynamics	15:15 – 15:30 H. Ebert Wed-15 Theoretical description of ultrafast laser-induced emagnetization using the Non-equilibrium Green function formalism	15:15 – 15:30 N. da Silva Thu-15 Ultrafast demagnetization dynamics imaged by time-resolved Lorentz microscopy	
Magneto-Electrics				
15:15 – 15:30 C. Scholl Mon-14 Magnetization Dynamics due to the Spin-dependent Optical Stark Effect: A Model Study				
15:30 – 16:00 Coffee	15:30 – 16:00 Group photo and Coffee	15:30 – 16:00 Coffee	15:30 – 16:00 Coffee	
16:00 – 16:30 J. Bokor (invited) Mon-15 Ultrafast Charge Current Induced Magnetization Reversal in GdFeCo	Poster Session I 16:00 – 18:00 P. Balaz, M. Barbeau, U. Bierbrauer, K. Bobowski, C. Davies, C. Dornes, D. Dutta, M. Gleich, V. Grigorev, R. Gupta, S. Häuser, A. Itin, E. Jal, D. Ksenzov, S. Lashkarara, X. Lu, R. Malik, A. Merhe, L. Nadvornik, S. Parchenko, U. Parlak, Y. Pavlyukh, A. von Reppert, N. Safonova, A. Scherbakov, D. Singh, S. Sold, M. Stiehl, K. Szerenos, A. Telegin.	Cultural Event 16:00 – 19:00	Poster Session II 16:00 – 18:00 S. Ashok, N. Awari, S. Barsaume, M. Barthelemy, J.-Y. Bigot (2x), G. Bonfigliro, R. Carley, Z. Fu, A. Gatilova, J. Jilili, Z. Kaspar, G. Kichin, C. von Korff Schmising, M. Kozhaev, D. Legut, X. Liu, M. Menarini, N. Porwal, J. Pudell, U. Ritzmann, S. Sakshath, V. Shokeen, A. Silva, J. Somnath, N. Tataryn, D. Thonig, C. Vincent, M. Vomin, O. Yastrubchak.	
16:30 – 16:45 M. Bieler Mon-16 Ultrafast magnetization dynamics in laser-excited chiral magnetic thin films				
16:45 – 17:00 A. Pogrebna Mon-17 Time-resolved evolution of electronic order and anisotropy dynamics through a symmetry breaking transition in the CDW material TbTe ₃				
X-Ray and far UV I		Conference Dinner 19:00 – 22:00		
17:00 – 17:15 U. Staub Mon-18 Itinerant and Localized Magnetization Dynamics in Antiferromagnetic Ho				
17:15 – 17:30 S. Gang Mon-19 Element-selective investigation of femtosecond spin dynamics in Ni ₂ Pd _{1-x} magnetic alloys using extreme ultraviolet radiation				