

Poster session A - Tuesday, 14 July, 16:30-18:00

No.	ID	Title	Presenting Author
1	4	Modifying magnetic properties of an individual Co nanomagnet by circumferential contact with Fe	Soo-Hyon Phark
2	6	Evolution of complex magnetoresistance and perpendicular magnetic anisotropy in cobalt nanoparticles in silver matrix	Dinesh Kumar
3	19	Spin Hall effect in two-dimensional systems within a relativistic phase shift model	Annika Johansson
4	20	Magnetism of interfaces between Nd ₂ Fe ₁₄ B and NdO _x examined by first-principles calculations	Yoshihiro Gohda
5	21	Perpendicularly magnetized MnGa polycrystalline film growth on (001)-textured (Mg _{0.2} Ti _{0.8})O buffer with SiO ₂ /Si substrate	Hwachol Lee
6	28	Dynamics of a magnetic nanocube	Philippe Depondt
7	30	Magnetic field landscape transformation over tailored domains for magnetic particle transport	Arno Ehresmann
8	31	Spin-dependent sequential transport through double molecular magnets	Anna Płomińska
9	35	Electronic Structure and Structural Integrity of Single Adsorbed Double-Decker Phthalocyanine Molecules	Daniel Buegler
10	43	Ferrimagnetism in 2D networks of porphyrin-X and -XO (X=Sc,...,Zn) with acetylene bridges.	Małgorzata Wierzbowska
11	45	Separation of magneto-optical effects in the ferromagnetic phase of FeRh epitaxial layer	Vit Saidl
12	49	Spin dynamics of a ferrimagnet near the angular momentum compensation point	Vladimir Krivoruchko
13	51	The influence of film thickness on magnetic anisotropy and properties of Fe-doped In ₂ O ₃ films	Yanxue Chen
14	55	Influence of miniaturization of the CoFe/MgO/n ⁺ -Si devices on magnitude of magnetoresistance	Hideyuki Sugiyama
15	57	Tunable permalloy-based films for magnonic devices	Martina Ahlberg
16	61	Generation and propagation of straight domain walls in spin valve structures with perpendicular anisotropy and graded interlayer coupling	Michał Matczak
17	66	Temperature dependence of lattice-matched Co ₂ FeAl/ Mg-Al-O/CoFe magnetic tunnel junctions	Thomas Scheike
18	67	Anomalous Nernst effect in heavy elements-doped Fe films	Yuya Sakuraba
19	68	Non-parallel alignment of Co spins on W(110)	Takeshi Nakagawa
20	74	Correlation between tetragonal distortion and uniaxial magnetic anisotropy in Fe _{1-x} Co films sputtered on Rh buffer	Shunji Ishio
21	76	Granular Nanostructures and Magnetic Properties of FePt-C/FePt-SiO ₂ Films	Luran Zhang
22	78	Magnetic Properties of Vanadyl Phthalocyanine Adsorbed on Ferromagnetic Iron, Cobalt, and Nickel Films	Keitaro Eguchi
23	79	Defect free interface for bcc-MgO/Fe(001): STM/STS study	Yuki Sakaguchi
24	80	Enhancement of chemical stability in ion gel gating method by adding TaOx capping layer on top of CoFeB/MgO multilayers	Duc Duong Lam
25	81	Spin Dynamics and Qubit Operations in Three Quantum Dot System	Jakub Łuczak
26	88	All-optical magnetization reversal through strongly inhomogeneous laser-driven dynamics in metallic multilayers	Yury Tsema
27	89	Spin-polarization vectors of single organic molecules on magnetic domains: spin-polarized STM study	Toyo Kazu Yamada
28	92	Ga ⁺ irradiation control over the nonlinear magneto-optical effects in planar Pt/Co/Pt films structures	Tatiana Murzina
29	93	Magnetostriction dynamics in complex rare earth thin films studied by ultrafast X-ray diffraction	Matthias Reinhardt
30	95	Resonant spin-wave modes in trilayered magnetic nanowires studied in the parallel and antiparallel ground state	Gianluca Gubbiotti
31	100	Enhanced ferrimagnetism in auxetic NiFe ₂ O ₄ in the crossover to the ultrathin film limit	Martina Mueller
32	104	<i>Ab initio</i> analysis of the electronic transport through the short fluorocarbon chain bridging two graphene leads	Małgorzata Wawrzyniak-Adamczewska
33	107	Study of Static and Dynamic of Magnetization in Ne ⁺ irradiated Fe ₆₀ Al ₄₀ thin Films	Nadeem Tahir
34	116	Magnetic properties of ultrathin iron oxide films on Pt(111)	Kinga Freindl
35	120	Disorder induced critical phase transition in NiFe magnetization reversal	Anil Kumar
36	123	Magnetization boundary conditions at a ferromagnetic interface of finite thickness	Volodymyr Kruglyak
37	127	Ion beam irradiation-induced changes of magnetic and structural properties of Fe/Pt multilayers	Agata Marynowska
38	128	Anisotropic properties and domain structure of Mn ₅ Ge ₃ thin films - FMR study	Roger Kalvig
39	131	Do we need interfaces to obtain giant magnetoresistance?	Mario Baibich
40	132	Open volume defects and magnetic phase transition in Fe ₆₀ Al ₄₀ transition metal aluminide	Maciej Liedke
41	133	Magneto-optic properties of Heusler Co ₂ Fe(Al _{0.5} Si _{0.5}) and Rh ₂ MnAl compounds	Radek Ješko
42	134	Magnetic linear dichroism of 3d metal thin films	Torsten Veltum
43	139	⁵⁹ Co NMR studies of Co based systems with exchange bias effect induced by O ⁺ ion implantation	Przemysław Nawrocki
44	143	Non-collinearity of the canted spins across Fe ultra-thin films on vicinal Ag surfaces	Jean-Marc Tonnerre

45	145	Higher order contributions to the Anisotropic Interface Magnetoresistance (AIMR) in Ni/Pt layered structures	Andre Kobs
46	146	Finite size effects in the anisotropic magnetoresistances of Co/Pt layered structures	Andre Kobs
47	148	Enhanced magnetization at the Cr/MgO (001) interface	Alexandre Bataille
48	152	Local and non-local spin dynamics in GaAs-based heterostructures	Lukáš Nádvorník
49	154	Improved coercivity and magnetic saturation of heat treated Alnico V thin films	Farzin Mohseni
50	155	Laser-induced magnetic anisotropy dynamics in low symmetry garnet films	Leonid Shelukhin
51	156	Manipulation of a spin current in a lateral spin valve	Atsufumi Hirohata
52	157	Preparation of SmCo ₅ , GdCo ₅ , and YCo ₅ ordered alloy epitaxial thin films with in-plane magnetic anisotropies	Mitsuru Ohtake
53	159	Enhancement of transverse Kerr effect in permalloy films by normal transition metal nanolayer	Vladimir Skidanov
54	161	Spin-resolved investigation of single and multi-layer magnetic systems on W(110)	Alberto Calloni
55	163	Switching behavior of Pt/Co/Pt nanostructures	Carsten Thoenissen
56	171	Extreme ultraviolet light-induced modifications in Pt/Co/Pt trilayers studied with magneto-optical microscopy	Iosif Sveklo
57	172	Influence of the structural quality of Pt on the spin Hall magnetoresistance in Pt/YIG hybrids	Sabine Puetter
58	177	Magnetic structure in epitaxial Fe/Cu and Fe/FePt multilayers Probed by Polarised Neutron Reflectivity	Amir Syed Mohd
59	179	Proximity Magnetism and Spin-Hall Anomalous Hall Effect in Pt on Y ₃ Fe ₅ O ₁₂ (YIG)	Matthias Opel
60	181	Magnetic diffuse scattering in thermally active artificial kagome spin ice	Oles Sendetskyi
61	189	Magneto-static wave in very thin CoFeB grown on amorphous FeZr buffer layer	Dongseok Kim
62	193	Electronic band structure of thin Fe films epitaxially grown on Au(001) and MgO(001)	Ewa Młyńczak
63	196	Spin-dependent thermoelectric effects in transport through a nanoscopic junction involving a spin-anisotropic impurity	Maciej Misiorny
64	204	Diameter dependence of the emission power and Q factor in the MgO-based spin-torque oscillators	Bochong Wang
65	208	Magnetic Switches for Superconducting Cryogenic Memory	Aymen Ben Hamida
66	224	High frequency current sensors based on MTJ with perpendicular anisotropy	Michał Dabek
67	228	Spin transport and spin-caloric effects in (Cr,Zn)Te half-metallic nanostructures: Effect of spin disorder at elevated temperatures from first principles	Roman Kováčik
68	233	Temperature dependence of spin Hall and Spin Nernst effects in Rashba two-dimensional electron gas	Anna Dyrdał
69	239	Resonant spin transitions mediated by spin-orbit interaction in bent carbon nanotubes	Edyta Osika
70	244	Micromagnetic modelling of voltage-induced spin-diode effect in magnetic tunnel junctions	Jakub Chęciński
71	251	Buffer influence on magnetic dead layer, critical current and thermal stability in magnetic tunnel junctions with perpendicular magnetic anisotropy	Marek Frankowski
72	261	Magnetic dead layers, magnetic anisotropy and Gilbert damping coefficient in Co ₄₀ Fe ₄₀ B ₂₀ and Co ₂₀ Fe ₆₀ B ₂₀ deposited on Ta/Ru/Ta	Antoni Żywczak

Poster session B - Thursday, 16 July, 16:30-18:00

No.	ID	Title	Presenting Author
1	8	Interfacial intermixing of Fe on Ag (001) and the impact on magnetoelastic coupling	Kenia Novakoski Fischer
2	15	Element specific investigation of the magnetic properties of Bi ₂ FeCrO ₆ thin film multiferroics	Giovanni Vinai
3	22	Steady precession of magnetization in perpendicular ferromagnet by spin torque and in-plane magnetic field	Tomohiro Taniguchi
4	23	Zero-bias field spin-torque oscillator having a perpendicularly magnetized free layer with second-order uniaxial anisotropy and in-plane magnetized reference layer	Hiroko Arai
5	25	Impact of electric field on magnetic moment in ultrathin FePt	Shinji Miwa
6	37	Dynamics of Magnetic Bubblecade in Creep Regime	Duck-Ho Kim
7	40	Reducing the switching current with a Gilbert damping constant in a nanomagnet with perpendicular anisotropy	Keisuke Yamada
8	41	Measuring the Dzyaloshinskii-Moriya interaction based on angular dependence of asymmetric magnetic domain-wall motion	Duck-Ho Kim
9	56	Enhanced linear Hall sensitivity in the MgO/CoFeB/Ta thin films by tuning the perpendicular magnetic anisotropy	Tao Zhu
10	59	Phase diagram of monolayer graphene nanoflakes in electric and magnetic in-plane field	Karol Szałowski
11	63	Nuclear inelastic scattering and nuclear forward scattering studies of ⁵⁷ Fe adatoms dynamics and magnetism on top of topological insulator Bi ₂ Se ₃	Michał Dobrzański
12	83	Fast spin-transfer-torque switching of a spin valve having a conically magnetized free layer	Rie Matsumoto
13	90	Enhanced magnetic transition in Ca ₃ CoMnO ₆ thin films	Jitendra Saha
14	99	The applications of bound spin waves states in magnetic domain wall	Jiang Xiao

15	101	Zero-field spin transfer oscillators combining in-plane and out-of-plane magnetized free layers	Ciaran Fowley
16	103	Spin torque ferromagnetic resonance measurements in antiferromagnetic multilayers	Michinari Kamiya
17	105	Thickness dependence of the interfacial Dzyaloshinskii-Moriya interaction in inversion symmetry broken systems	Jaehun Cho
18	108	Defect states in one-dimensional photonic-magnonic crystal	Jarosław W. Kłos
19	110	Collective spin wave excitations in the square lattice magnonic Wave-like Py Structures	Nadeem Tahir
20	111	Magnetic domains and domain walls in perpendicularly magnetised nanostructures	Benedikt Boehm
21	112	Spin-transfer effects in MgO-based tunnel junctions with an out-of-plane free layer and in-plane polarizer	Ewa Kowalska
22	113	Influence of the surface chemistry on the magneto-electric coupling in ferromagnetic ultra-thin films	Fouad Maroun
23	119	Excitation of spin waves from edges of patterned magnetic structures	Volodymyr Kruglyak
24	121	Electric-field effects of antiferromagnetic NiO / ferromagnetic Ni thin films	Kenta Amemiya
25	122	Towards graded-index magnonics: Steering spin waves in magnonic networks	Volodymyr Kruglyak
26	125	Spin-polarized one-dimensional surface states of the Si(553)-Pb surface	Ryszard Zdyb
27	137	Strain-induced in-plane spin reorientation of bcc-like iron films grown on Cu(001)	Robert Froemter
28	138	Thermal stability of magnetic skyrmions in ultrathin films	Stanislas Rohart
29	140	Broken symmetry and extensive entropy in the artificial square ice ground state	Sebastian Gliga
30	141	The properties of propagation surface magnetostatic spin waves in 1D magnonic crystal	Vladimir Bessonov
31	144	Thin-film nanocomposites with high magnetotransmission effect	Vladimir Bessonov
32	153	Tuning the Dzyaloshinskii-Moriya interaction via deposition temperature of epitaxial Co/Pt	Adam Wells
33	165	Coherent x-ray scattering with the new CXS end station at BESSY II	Durgamadhab Mishra
34	168	Magnetoelastic mechanism of spin transport through insulating antiferromagnet	Ievgeniia Kornienko
35	176	Current induced effects in stacks of layers with antiferromagnet	Helena Reichlova
36	180	Thermal Magnetic Vortex Oscillator	Michael Vogel
37	184	Realization of a vertical topological p-n junction in epitaxial Sb_2Te_3/Bi_2Te_3 heterostructures	Lukasz Plucinski
38	186	Surface roughness induced coercivity	Erol Girt
39	187	Theoretical study of zero-field vortex oscillation in a magnetic tunnel junction having an in-plane polarized reference layer	Hiroshi Tsukahara
40	191	Growth and magnetic properties of ultrathin epitaxial FeO films and Fe/FeO bilayers on MgO(001)	Anna Koziół-Rachwał
41	194	Magnetic exchange coupling effects observed in Fe/CoO bilayers and Fe/CoO/Fe trilayers epitaxially grown on MgO(001)	Ewa Młyńczak
42	195	Structural and magnetic properties of AlN/(Co, Ni, Fe, NiFe or CoFeSiB) bilayers for application in magnetoelectric devices	Thiago Mori
43	197	Spintronic magnetic anisotropy: Electrically controllable spin-anisotropy without spin-orbit coupling	Maciej Misiorny
44	198	Magnetic and structural properties of Ni/Rh(001) and Ni/Pd(001) films	Pedro Gastelois
45	199	Magnetic profile of the uncompensated AF spins at the NiFe/IrMn/Co trilayers	Valberto Nascimento
46	200	Magnetization reversal in periodic cylinder shaped exchange spring	Chunlian Hu
47	201	MOKE study of the exchange anisotropy in Mn_2Au/Fe thin epitaxial films	Alexey Sapozhnik
48	203	Oscillating magnetic anisotropy in epitaxial Co/Fe(110) films on W(110)	Michał Ślęzak
49	212	Switching diagram and two-step switching induced by spin Hall effect in a perpendicular magnetic layer	Yaroslav B. Bazaliy
50	213	High hydrostatic pressure influence for turbostratic graphites.	Vladislav Slyusarev
51	214	Coercivity enhancement in CoO/Fe bilayer system	Jacek Gurgul
52	215	Anisotropic magnetoresistance of antiferromagnetic MnTe	Dominik Kriegner
53	216	Small Deviation of Switching Probability of Spin-Torque Switching in Perpendicularly Magnetized MTJ	Akio Fukushima
54	217	First principles study of the adsorption of MgO molecules on a clean Fe(001) surface	Damian Wiśnios
55	218	Magnetic Moments and Magnetic Anisotropy in Mn-based MAX Phase Epitaxial Thin Films	Ulf Wiedwald
56	221	Spin wave damping in magnonic crystals and Fibonacci structures	Jarosław W. Kłos
57	222	Temperature evolution of the surface magnetic domain structure in single crystalline magnetite	Dorota Wilgocka-Ślęzak
58	225	Polarization rotation of microwaves in ferromagnets subjected to spin torque	Yaroslav B. Bazaliy
59	227	Observation of 360 degree domain walls in $[CoFe(1.8nm)/Al_2O_3(3.2nm)]_9$ multilayers	Niru Chowdhury
60	229	Size and Shape dependence study of Magnetization reversal in Magnetic Antidot Lattice arrays	Subhankar Bedanta
61	231	The transverse magneto-optical Kerr effect in metal-dielectric-metal SPP waveguides	Alexey Kuzmichev
62	235	Investigation of magnetization dynamics in mag-flip spin-torque oscillator with Heusler compound $Co_2FeGa_{0.5}Ge_{0.5}$ electrodes for microwave assisted magnetic recording	Subrojati Bosu
63	236	Perpendicular magnetic anisotropy of CoFeB/MgO bilayer deposited on different buffers tuned by electric fields	Witold Skowroński

64	237	Prospects of X-ray Photoemission Electron Microscopy at the first beamline of Polish synchrotron SOLARIS	Tomasz Giela
65	238	Perpendicular magnetic anisotropy in ultrathin Fe/MgO bilayers with engineered buffer layers	Seiji Mitani
66	241	Magnetic properties, structural analysis and magnetization dynamics of CoFeB/MgO with different buffer layers	Monika Banasik
67	242	Influence of Ta buffer layer thickness on magnetic properties and microstructure parameters of CoFeB and MgO layers	Jarosław Kanak
68	248	The origin of canted magnetic anisotropy in Nickel thinfilms grown on GaAs substrate	Fikret Yildiz
69	249	SPLEEM experiment and theory on magnetic domains in Fe films on vicinal surfaces	Marek Cinal
70	250	Magnetic anisotropy of Fe films on vicinal surfaces after covering with Au: experiment and theory	Marek Cinal
71	253	Antiferromagnetic Mn ₂ Au thin films grown by sputtering	Waldemar Macedo
72	257	Structural and magnetic properties of laser-irradiated FePdCu thin films	Marcin Perzanowski
73	258	Ordered arrays of Co/Pd nanostructures with perpendicular magnetic anisotropy	Michał Krupiński
74	259	Magnetic characteristics of CoPd antidot arrays on nanoperforated TiO ₂ templates	Alexey Maximenko