Korea-Japan Spin-Orbit Workshop

Poster Session

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Nam-Hui Kim[1] *1. DGIST*

P-02 Enhancement of Brillouin light scattering intensity by introducing an anti-reflection layer
Jinyong Jung[1] *1. DGIST*

P-03 Non-equilibrium dynamic reversal mechanism of nanoscale ferromagnetic elements
Hee-Kyeong Hwang[1] *1. DGIST*

P-04 Spin orbit torque and thermoelectric effect in harmonics measurement
Eun-Sang Park[1] *1. Korea Univ.*

P-05 Spin torque ferromagnetic resonance of magnetic bilayers
Dongjoon Lee[1] *1. Korea Univ.*

P-06 Domain wall reflection and transmission in DMI step
Iksun Hong[1] *1. Korea Univ.*

P-07 Antiferromagnetic domain wall motion driven by spin-orbit torque
Se-Hyeok Oh[1] *1. Korea Univ.*

P-08 Spin-transfer-torque in antiferromagnetic textures
Yunboo Jeong[1] *1. Korea Univ.*

P-09 Laser-pulse-induced spin-wave propagation modified by spin-orbit torques
Donggyu Lee[1] *1. Korea Univ.*

P-10 First principle study of Rashba effect in Co/Pt multilayers
Hyeon-Jong Park[1] *1. Korea Univ.*

P-11 The spin-Hall angle measurement using by hysteresis loop
Dongseuk Kim[1] *1. Korea Univ.*

P-12 The film properties change via sputtering energy manipulation
Jiho Kim[1] *1. Korea Univ.*

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Min-Ho Park[1] *1. Seoul National Univ.*

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Yong-Keun Park[1] *1. Seoul National Univ.*

P-15 Stochasticity of Domain-Wall Speed Driven by Current
Yune-Seok Nam[1] *1. Seoul National Univ.*

P-16 Optical technique for spin-orbit torque measurement based on linear and circular polarizations
Joo-Sung Kim[1] *1. Seoul National Univ.*

P-17 Intrinsic Asymmetry in Chiral Domain Walls due to Dzyaloshinskii-Moriya Interaction
Dae-Yun Kim[1] *1. Seoul National Univ.*

P-18 Universality in domain-wall depinning by spin orbit torque
Hyun-Seok Whang[1] *1. Seoul National Univ.*

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Hyeok-Cheol Choi[1] *1. Seoul National Univ.*

P-20 Coupled gyration modes in 1D skyrmion lattices as a new type of information carrier
Junhoe Kim[1] *1. Seoul National Univ.*

P-21 Novel magnetic property in internal interface between ferromagnet and antiferromagnet
Min-Seung Jung[1] *1. DGIST*

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Hyun Joong Kim[1] *1. DGIST*

P-23 Magnetic and electronic properties of Co-doped Mn_3Ga Heusler thin films
Woosuk Yoo[1] *1. Sogang Univ.*

P-24 Magnetic anisotropy properties of tetragonal and cubic Mn_3Ga thin films
Hyun-Woo Bang[1] *1.Sogang Univ.*

P-25 Mobility measurement of softmagnetic amorphous ribbons
Lin Huang[1] *1. Chungbuk National Univ.*

P-26 Dynamics of virtual domain wall motion in discrete nanodot chains
Xiaoping Ma[1] *1. Chungbuk National Univ.*

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~~Seon Dae Kim[1] *1. Chungbuk National Univ*~~

P-28 Néel and ordinary order spin-orbit torques in 2D and 3D antiferromagnets
Suik Cheon[1] *1. POSTECH*

P-29 Orbital Rashba effect in $BiAg_2$
Dongwook Go[1], Jan-Philipp Hanke[1], Patrick M. Buhl[1], Frank Freimuth[1], Gustav Bihlmayer[1], Hyun-Woo Lee[1], and Stefan Blügel[1] *1. Pohang University of Science and Technology, Forschungszentrum Jülich*

~~**P-30 Scattering model for large damping-like torque at TI/FM bilayer interface**~~
~~Seungju Shin[1] *1. POSTECH*~~

P-31 The extended droplet model for determination of the Dzyaloshinskii-Moriya interaction energy
Sanghoon Kim[1], *1. Institute for Chemical Research, Kyoto University*

P-32 The spin wave eigen modes in the 120-nm-radius FeB disk shaped nano-magnet
Jaehun Cho[1], Shinji Miwa[1], Kay Yakushiji[2], Shingo Tamaru[2], Hitoshi Kubota[2], Akio Fukushima[2], Chun-Yeol You[3], Shinji Yuasa[2], Yoshishige Suzuki[1] *1. Graduate School of Engineering Science, Osaka Univ.; 2. AIST, Spintronics Research Center; 3. Department of Emerging Materials Science, DGIST*

P-33 Magnetoresistance induced by Edelstein effect in $CoFe/Cu/Bi_2O_3$
Junyeon Kim[1], Yan-Ting Chen[1], Shutaro Karube[1], Saburo Takahashi[1], Kouta Kondou[1], Gen Tatara[1], YoshiChika Otani[1] *1. Center for Emergent Matter Science, RIKEN*

P-34 Amplification of microwave by a dc biased magnetic tunnel junction
Y. Wakatake[1], M. Goto[1], U. Oji[1], S. Miwa[1], H. Kubota[1], K. Yakushiji[1], A. Fukushima[1], S. Yuasa[1], and Y. Suzuki[1] *1. Osaka University*

P-35 Micromagnetic simulation of Magnetostatic wave in ferromagnetic material with antiferromagnetic reflector
Naoto Terachi[1], Satoshi Yakata[1] *1. Fukuoka Institute of Technology*

P-36 Indirect evaluation of magnetization direction using thermal spin injection
T. Nomura[1], G. Uematsu[1], N. Asam[1], and T. Kimura[1,2] *1. Department of Physics, Kyushu University; 2. Research Center for Quantum Nano-Spin Sciences*

P-37 Frequency dependence of heating effect and thermal spin injection due to ferromagnetic resonance in ferromagnetic thin metal
K. Yamanoi[1], Y. Yokotani[1], and T. Kimura[1,2] *1. Department of Physics, Kyushu University; 2. Research Center for Quantum Nano-Spin Sciences*

P-38 Efficient thermal spin injection using CoFe-based alloy
G. Uematsu[1], T. Nomura[1], T. Ogawa[1], K. Ohnishi[1,2], and T. Kimura[1,2] *1. Department of Physics, Kyushu University; 2. Research Center for Quantum Nano-Spin Sciences*

P-39 Spin transport in a nonmagnet/ferromagnet bilayer channel

T. Ogawa[1], G. Uematsu[1], T. Nomura[1], K. Ohnishi[1,2], and T. Kimura[1,2] *1. Department of Physics, Kyushu University; 2. Research Center for Quantum Nano-Spin Sciences*

P-40 Possibility to control the Cooper-pair formation dynamics using multi-terminal spin injection

M. Sakamoto[1], Y. Ono[1], K. Ohnishi[1,2], and T. Kimura[1,2] *1. Department of Physics, Kyushu University; 2. Research Center for Quantum Nano-Spin Sciences*

P-41 Voltage control of dynamical magnetization property in CoFeB/Oxide bilayer system

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P-42 Excitations of nonlinear ferromagnetic resonance and standing spin-wave using inhomogeneous high-power RF magnetic field

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