

Magnonics2019 - Poster Session (Monday, July 29, 2019)

Poster ID	Presenting Author	Poster Title
P01	Oliver Latcham	Scattering of Acoustic Waves from 1D Arrays of Magnetic Inclusions
P02	Boris Divinskiy	Bridging magnonics and spin-orbitronics
P03	Boris Divinskiy	Controllable excitation of quasi-linear and bullet modes in a spin-Hall nano-oscillator
P04	Katrin Schultheiss	How to generate whispering gallery magnons
P05	Dirk Grundler	Worm-like nanochannels in artificial ferromagnetic quasicrystals
P06	Katie Lewis	Vortex dynamics in microscopic magnetic thin film spherical shells
P07	Marco Madami	Brillouin light scattering investigation of the spin wave beam focusing effect under excitation by curved transducer
P08	Feodor Ogrin	3D FDTD-LLG modelling of magnetisation dynamics in thin film ferromagnetic structures
P09	Abdelmadjid Anane	A micron-scale spin-orbit-torque emitter of coherent spin waves for YIG magnonics
P10	Hugo Merbouche	Magnonic crystals using a nano-patterned ultrathin YIG film
P11	Himanshu Fulara	Propagating spin waves induced by spin-orbit torque
P12	Hanchen Wang	Spin wave propagation in ultrathin magnetic insulators with perpendicular magnetic anisotropy
P13	Kenji Tanabe	Spinwave tunnelling effect at heterojunction
P14	Frederic Vanderveken	Magnetoelastic excitation in non-uniformly magnetized waveguides
P15	Michaela Kuepferling	Modeling inductance spectra of non-reciprocal surface spin waves due to Dzyaloshinskii-Moriya interaction
P16	Martina Kiechle	Engineering of Sputter Deposited YIG - A Comprehensive Protocol for Ultra-low Damping Magnetic Thin Films
P17	Anna Giordano	Micromagnetic study of skyrmions in magnetic multilayers
P18	Rouven Dreyer	Phase-resolved imaging of non-linear spin-wave excitation at low magnetic bias field
P19	Patrizio Ansalone	Electric field effects on magnetostatic modes in a hollow cylinder
P20	Luis Flacke	Spin pumping and spin wave damping in low damping $\text{Co}_{25}\text{Fe}_{75}$ heterostructures
P21	Diogo Costa	Pulsed laser deposition of yttrium iron garnet thin films towards minimum magnetic damping
P22	Morteza Mohseni	Chiral excitations of magnetic droplet solitons driven by their own inertia
P23	Morteza Mohseni	Nonlinear magnetization dynamics in yttrium iron garnet microstructures
P24	Igor Borisenko	Relation between unidirectional spin Hall magnetoresistance and spin current-driven magnon generation
P25	Mahroo Shiranzai	Signature of impurity scattering in the spin susceptibility of topological insulator thin film
P26	Oscar Alejos Ducal	Domain wall dynamics driven by currents along strips formed by antiferromagnetically coupled systems
P27	Pablo Hernández-Gómez	Broadband transverse magnetic properties in multiferroic Co-Y hexaferrite
P28	Ahmed Sidi Elvalli	Microwave rectification in magnetic tunnel junctions with perpendicular anisotropy
P29	Artem Litvinenko	Ultra-fast spectrum analysis using spin-torque nano-oscillator
P30	Ursula Ebels	Injection locking of spintorque oscillators to arbitrary driving signals
P31	Jack Gartside	Nanomagnetic Writing for Reconfigurable Magnonic Crystals
P32	Daniela Mancilla Almonacid	Two spin-transfer-torque nano-oscillators coupled via magnetostatic fields
P33	Jeroen Mulkers	Tunable Snell's law for spin waves in heterochiral magnetic films
P34	Dong-Kyu Lee	Antiferromagnetic oscillators driven by spin currents with arbitrary spin polarization directions
P35	Alireza Qaiumzadeh	Quantum spin transfer torque induced by spin shot noise
P36	Kilian Lenz	Trimming of permalloy stripes to enhance the localized edge mode spectrum probed by ferromagnetic resonance
P37	Justyna Rychły	Oblique spin wave propagation in periodic and quasiperiodic sequences of stripes
P38	Giovanni Finocchio	Configurational entropy for magnetic skyrmion as an ideal gas
P39	Massimiliano d'Aquino	Analysis of thermal switching and chaotic dynamics in ac-driven nanomagnets
P40	Alexis Wartelle	Injection and annihilation of micromagnetic topological defects through domain walls in cylindrical nanowires
P41	Takuya Taniguchi	Excitation of short-wavelength spin waves via spin wave conversion
P42	David Osuna Ruiz	Magnetic actuated tuning of Winter magnons propagation
P43	Kevin Fripp	Frequency selective spin-wave valve and phase-shifter in Damon-Eshbach geometry

P44	Kevin Fripp	A fully implicit integration method of the Landau-Lifshitz equation for finite difference time domain micromagnetics
P45	Tobias Hula	Performance of $\text{Co}_{25}\text{Fe}_{75}$ magnon conduits under the presence of four-magnon scattering
P46	Manu Sushruth	Spin wave propagation in CoNi multilayer systems
P47	Aleksei Nikitin	Spin-wave phase shifter on the YIG- VO_2 structure
P48	Aleksei Nikitin	Nonlinear frequency response of spin-wave optoelectronic active ring resonator
P49	Mateusz Zelent	Spin-wave phase shifter upon a single linear defect
P50	Alexander Kreil	Dynamics of a magnon Bose-Einstein condensate in inhomogeneous magnetic fields
P51	Matias Grassi	Slow wave based magnonic diode
P52	Qi Wang	Nonlinear nanoscale spin-wave directional coupler
P53	Vitaliy Vasyuchka	Enhancement of the spin pumping effect by magnon confluence process in YIG/Pt bilayers
P54	Michal Urbánek	Spin wave propagation in sinusoidally modulated thin films
P55	Luis Sánchez-Tejerina	Antiferromagnetic domain wall motion driven by spin-orbit torques
P56	Nick Träger	Nanoscale Detection of Spin Wave Deflection Angles in Permalloy
P57	Shinsaku Funada	Spin wave propagation of ferrimagnetic GdCo
P58	Tian Li	Snell's law for isotropically propagating spin wave
P59	Alexandr Khitun	A Magnetometer Based on a Spin Wave Interferometer
P60	Avinash Kumar Chaurasiya	Direct observation of unusual interfacial Dzyaloshinskii-Moriya interaction in
P61	Sourav Sahoo	Spin waves in a three-dimensional nanoscale Cobalt tetrapod structure
P62	Hansain Ahmad	Determining magneto-elastic coupling coefficients by anisotropic magnetoresistance
P63	Maosen Guo	Nanoscale magnetic imaging of ferritins in a single cell
P64	Suman Kumari	Structural and electrical transport studies in sputtered $\text{La}_{0.34}\text{Pr}_{0.31}\text{Ca}_{0.35}\text{MnO}_3$ thin film
P65	Nandan Babu Kuttah Padi	Investigation of magnons and phonons interactions in CoFeB/Au multilayer for oblique geometry
P66	Frantisek Maca	Transport properties of antiferromagnetic CuMnAs alloy
P67	Oana-Tereza Ciubotariu	Strain-induced perpendicular magnetic anisotropy and Gilbert damping in $\text{Tm}_3\text{Fe}_5\text{O}_{12}$ thin films
P68	Vito Puliafito	Micromagnetic analysis of THz spin-Hall oscillators based on antiferromagnetic materials
P69	Petros Andreas Pantazopoulos	Planar optomagnonic cavities: Adiabatic description and beyond
P70	Sergey Nikitov	Electromagnetic field radiation and field fluctuation at wave multiple scattering by plane periodic array of magnetic micro- and nano-elements
P71	Andrew Ross	Efficient magnonic spin transport in insulating antiferromagnetic thin films
P72	Halyna Musiienko-Shmarova	From nonlinear interacting magnon gas to magnon Bose-Einstein condensate and supercurrents
P73	Yury Bunkov	Second Sound on magnon BEC in a normally magnetized YIG film
P74	Guru Venkat	Role of magnons in the spin Seebeck effect in polycrystalline YIG pellets
P75	Ryszard Gieniusz	Thickness dependence of Dzyaloshinskii-Moriya interaction, magnetic anisotropy and damping in ultrathin cobalt films
P76	Yuri Filimonov	Modulation instability and self-action effects under magnetostatic surface waves pulse propagation in metallized YIG-based magnonic crystals
P77	Cheng-Jie Wang	A novel protocol to image magnetic field using a single spin in diamond
P78	Roman Khymyn	Tuning spin-torque nano-oscillator nonlinearity using He^+ irradiation
P79	Roman Khymyn	Domain wall mediated excitation of ultrashort spin waves in bi-axial antiferromagnets driven by spin current