

MORIS2024 Poster Program

09 May 2024

We-P-01	Megan	Dransfield	Aalto University	Towards Magneto-optical Microscopy at Millikelvin Temperatures
We-P-02	Zeynab	Sadeghi	Charles University	Strong quadratic magneto-optical anisotropy in FeRh
We-P-03	Michal	Hubert	Charles University	Magneto-Optical Kerr Effect in Epitaxial Antiferromagnetic MnTe
We-P-04	Kanata	Watanabe	Nagaoka Univ. of Tech.	OPTICAL PROPERTIES OF EPITAXIAL YMnO ₃ THIN FILM PREPARED BY METAL-ORGANIC DECOMPOSITION
We-P-05	Alessandro	Ferretti	Politecnico di Milano	Magneto-Optical Investigation of Spinterfaces
We-P-06	Alexander	Chizhik	University of Basque Country	Classification of Magnetic Domain Structures in Cylindrical Amorphous Microwires: Magneto-optical Study
We-P-07	Yu	Shiratsuchi	Osaka University	Impact of epitaxial strain on Néel temperature of Cr ₂ O ₃ (0001) film
We-P-08	Atsufumi	Hirohata	Tohoku University	Interfacial Improvement by Introducing a Pulsed Current in a Magnetic Tunnel Junction
We-P-09	Kentaro	Toyoki	Osaka University	Emergence of Perpendicular Magnetic Anisotropy in Fe _{0.6} Al _{0.4} /Cr _{0.8} Al _{0.2} /Fe _{0.6} Al _{0.4} Multilayer
We-P-10	Ruixuan	Ying	Tohoku Univ	Clustering FORC diagram using the Gaussian mixture model and the Davies-Bouldin index
We-P-11	Tomáš	Maleček	Charles University, Université Paris-Saclay	Temperature Dependent Magneto-Optical Properties of Thin-Film LSMO Grown on STO
We-P-12	Tomáš	Maleček	Charles University, Université Paris-Saclay	Magneto-Optical Properties of La _{2/3} Sr _{1/3} MnO ₃ Thin Films Integrated on Silicon via a Nanosheet Layer
We-P-13	Masaki	Nakano	Nagasaki university	Preparation of magnetic films using LIFT technique
We-P-14	Masaki	Nakano	Nagasaki university	Enhancement of deposition area of thick-film magnets prepared by PLD with under high deposition rate
We-P-15	Yoshito	Ashizawa	Nihon University	Crystal growth of bismuth-based iron garnet thin films fabricated by metal organic decomposition method for magneto-plasmonic effects
We-P-16	Yuichi	Kasatani	Nihon Univ.	Composition and Temperature Variation of the Galvanomagnetic Properties of Gd _x Fe _{100-x} Alloy Thin Films
We-P-17	Kowei	Lin	National Chung Hsing University	Probing the interfacial spin structures of Pt/Tb ₃ Fe ₅ O ₁₂ bilayers by polarized neutron reflectometry
We-P-18	Takeshi	Kato	Nagoya University	Perpendicular Magnetic Anisotropy and Gilbert Damping of MgO/Co _{100-x} Fe _x /Pt Trilayers
We-P-19	Yuya	Kubota	RIKEN	New Experimental Systems for Magnetism at SACLA
We-P-20	Yuta	Sasaki	National Institute for Materials Science	Magnetization precession of perpendicularly magnetized CoFeB/MgO structures detected by all-optical method at relatively low magnetic fields
We-P-21	Nan	Zhang	National University of Singapore	Exploring terahertz emission in FeGa thin films on flexible substrates
We-P-22	Kiranjot	Dhaliwal	Diamond Light Source	Magneto-optical Effects in Measuring Hysteresis Curves using Soft X-ray Reflectivity
We-P-23	Toshihide	Sumi	The University of Tokyo	Observation of X-ray Magnetization-induced Second Harmonic Generation

Th-P-01	Christin	Schmitt	Johannes Gutenberg University Mainz	Laser-Induced Switching Of Antiferromagnetic 180-Degree Domains In NiO/Pt Bilayers
Th-P-02	Shoki	Nezu	Yokohama National University	Magnon Condensation in Single-crystal Iron Films
Th-P-03	Yuri	Nishiwaki	Yokohama National University	Magnonic noise in the parametric pumping process
Th-P-04	Moritz	Cimander	University of Konstanz	Femtosecond Coupling of Spin and Charge Dynamics in an Antiferromagnet
Th-P-05	Phillip David	Bentley	NIMS	Magnetization precession in L1 ₀ -ordered FePt thin films with large PMA and relatively low damping
Th-P-06	Jack C.	Gartside	Imperial College London	Ultrastrong Magnon-Magnon Coupling and Magnon Frequency Combs in a Dipolar Multilayered '3D' Artificial Spin Ice
Th-P-07	Alex	Vanstone	Imperial College London	High-Fidelity, Low-Power All-Optical Magnetic Switching in Dense Nanomagnetic Networks
Th-P-08	Joel	Hirst	Sheffield Hallam University	Simulations of Magnetization Reversal in FM/AFM Bilayers With THz Frequency Pulses
Th-P-09	Andrej	Farkaš	Institute of Physics of the Czech Academy of Sciences	Dependence of CuMnAs quench-switching on excitation laser pulse parameters
Th-P-10	Takuya	Taniguchi	Tohoku university	Observation of the Magnon Hall Effect of Magnetostatic Forward Volume Spin Waves
Th-P-11	Hiroki	Yoshikawa	Nihon Univ.	The Film Thickness Dependency of Magnetization in Amorphous GdFeCo and GdFe Ferrimagnetic Alloy
Th-P-12	Satoshi	Sumi	Toyota Technological Institute	Domain wall detection using a Laser induced thermo-magnetic electromotive force
Th-P-13	Naëmi	Leo	Loughborough University	Light-Controlled Nanomagnetic Computing via Magneto-Thermoplasmonics
Th-P-14	Yuki	Kobayashi	Nihon Univ.	Evaluation of Longitudinal/Transverse Thermoelectric Generation in GdFeCo Ferrimagnetic Alloy Thin Film
Th-P-15	Ondřej	Novák	Charles University	Forced photonic band inversion for Z ₂ topological edge modes in 2D photonic crystals for integrated photonics
Th-P-16	Fumiko	Akagi	Kogakuin University	Temperature Increases in Bit-patterned Media for 3D Heated Dot Magnetic Recording Method
Th-P-17	Simon	Greaves	Tohoku University	Effect of Curie Temperature Distributions on Recording Performance in Heat-Assisted Magnetic Recording
Th-P-18	Jiří	Jechumtál	Charles University	Locality of all-optical helicity-dependent switching of FePt grains
Th-P-19	Madoka	Nishikawa	Ehime University	A Study on Usefulness of Neural Network Equalizer to Reduce Effect of Amplitude Fluctuations in Magnetic Tape Drive
Th-P-20	Yasuaki	Nakamura	Ehime University	A Study on HAMR Read/Write Channel Model for Double Layer Magnetic Recording
Th-P-21	Motoyoshi	Murakami	Pasona Knowledge Partner Inc.,	Technological Developments and Trends on The Energy-assisted Magnetic Recording investigated from the Intellectual Property and Proposals for The Possibilities of Ultra-high Density Medium
Th-P-22	Arata	Tsukamoto	Nihon University	Composition and Size Dispersion Reduction of Nano-FePt Magnetic Alloy Particles by Rapid Annealing with Separated Pre-patterning of Fe/Pt Thin Films