

TMRC 2022 Poster Sessions

Poster session PA
Monday August 29th, 5:30 pm to 7:00 pm

Poster session PA also includes posters from the invited talks of Sessions A, B, and F		
Session chair: Antony Ajan (WDC)		
Poster	Title	Presenter, affiliation
PA1	High spin hall angle doped BiSbX topological insulators using novel high resistive growth and migration barrier layers	B. York WDC
PA2	Large spin Hall angle in sputtered BiSb topological insulator on top of various ferromagnets with in-plane magnetization for SOT reader application	R. Nagabhirava WDC
PA3	Interface degradation in magnetic multilayer stacks characterised by X-ray reflectometry and polarised neutron reflectometry	B. W. Wilson Queen's University, Belfast
PA4	Molecular dynamic simulation on the thermal degradation of PFPE lubricant for HAMR disk	Q. Liu Jianxi University of Science and Technology
PA5	Molecular dynamic simulation on the adsorption between D-4OH lubricant and amorphous carbon film for HAMR disk	Q. Liu Jianxi University of Science and Technology
PA6	Performance evaluation of burst error correction by LDPC coding and iterative decoding system in magnetic tape drive using a BaFe magnetic tape	Y. Nakamura Ehime University
PA7	Reduced complexity neural network equalizers for two-dimensional magnetic recording	A. Aboutaleb Marvell Technology
PA8	Iterative parallel-serial detection structure using MAP algorithm for bit-patterned media recording systems	T. A. Nguyen Soongsil University
PA9	Track mis-registration estimator based on K-means algorithm for bit-patterned media recording	S. Jeong Soongsil University

Poster session PB
Tuesday August 30th, 5:30 pm to 7:00 pm

Poster session PB also includes posters from the invited talks of Sessions C, D, and E		
Session chair: Tobias Maletzky (Headway)		
Poster	Title	Presenter, affiliation
PB1	A new Advanced Storage Research Consortium HDD technology roadmap	E. Roddick WDC
PB2	Hysteresis loops of recording media grains under the influence of high frequency fields	S. J. Greaves Tohoku University
PB3	Glass substrate for high-capacity HDD	T. A. Tuan HOYA
PB4	Improvement of charge-to-spin conversion efficiency and power consumption for tungsten-based spin-orbit torque MTJ devices	S. Lu Beihang University
PB5	Determination of magnetic anisotropy in Fe/MgO/Fe magnetic tunnel junction by spin-orbit torque	B.-H. Huang National Central University
PB6	Energy efficient computing with high density, field free STT assisted SOT MRAM (SAS MRAM)	W. Hwang Stanford University
PB7	Modeling and analysis of magnetic field induced coupling on hexagonal MTJ array	L. Liu China University of Geosciences
PB8	Vertically integrated nanowires on Si wafers and into circuits	A. Harpel University of Minnesota