

IWSPM2024 조직위원

조직위원장	김지훈 (포항공대)
학회고문	박정영 (카이스트), 최재혁 (표준연), 정명화 (서강대)
프로그램위원장	이동헌 (고려대)
총무간사	김정대 (울산대)
부총무간사	조두희 (연세대)
포스터발표위원장	오명철 (포항공대)
포스터심사위원	김효원 (삼성중기원), 전상준 (중앙대), 장원준 (IBS)
프로그램위원	김태환 (포항공대), 김성헌 (전북대), 신형준 (유니스트), 안상민 (전북대), 양상모 (서강대), 이대수 (포항공대), 박경덕 (포항공대), 박제욱 (ORNL)

Program

Day 1 - 8.28(Wed)

Time	Session	Speaker
13:50 - 14:00	Opening	Jeong Young Park (KAIST)
	Chair	Sangmin An (JBNU)
14:15 - 14:40	Invited Speaker	Doohee Cho (Yonsei Univ.) Multiple insulating domains in a van der Waals material $1T-TaS_2$
14:40 - 15:05		Jeongjin Kim (Pohang Accelerator Lab.) Probing the surface geometry structures for CO ₂ activation
15:05 - 15:30		Zonghoon Lee (UNIST) Advances in two-dimensional materials research using aberration-corrected TEM/STEM
15:30 - 15:45	Oral	Jungsub Lee (POSTECH) Construction of cryogenic magnetic force microscopy with a piezoresistive cantilever and its application to Fe ₃ GaTe ₂
15:45 - 16:00		Pegah Farahi Shandiz (IBS QNS) Ultra Low Temperature Optic combined STM
16:00 - 16:30	Break	
	Chair	Tae-Hwan Kim (POSTECH)
16:30 - 16:55	Invited Speaker	Changyoung Kim (SNU) Spectroscopic studies of altermagnets : spin split bands and their detection
16:55 - 17:20		Woojoo Lee (KRISS) Unlocking Quantum Phenomena by time-resolved ARPES
17:20 - 17:45		Chang Jong Kang (CNU) Nature of electronic correlations in the infinite-layer nickelate superconductors and hidden Hund's physics
17:45 - 18:00	Oral	Jinyoung Yun (POSTECH) Investigation of magnetic domain structure in the van der Waals ferromagnet Fe ₄ GeTe ₂ using a vector-field cryogenic magnetic force microscope

Day 2 - 8.29(Thu)

Time	Session	Speaker
	Chair	Myungchul Oh (POSTECH)
09:30 - 10:10	Tutorial	Donghun Lee (Korea Univ.) Qubits, Novel Experimental Tools for Science : Introduction to Quantum Sensing
10:10 - 10:40		Coffee Break and Workshop picture
10:40 - 11:05	Invited Speaker	Kyung-Hwan Jin (JBNU) Manipulating flat bands in 1T-transition metal dichalcogenides
11:05 - 11:30		Soo-hyon Phark (Ewha W. Univ. IBS) A qubit platform crafted atom-by-atom
11:30 - 11:45	Oral	Huijun Han (UNIST) Salt dissolution at atomic scale
11:45 - 14:00		Lunch
	Chair	Jungdae Kim (Ulsan Univ.)
14:00 - 14:25	Invited Speaker	Young Jun Chang (Univ. of Seoul) Quantum phases in 2D chalcogenide thin films
14:25 - 14:50		Dirk Wulferding (SNU IBS) Magnetic field driven scalar-to-axial Higgs mode transition in charge-density wave compounds
14:50 - 15:15		Hyeon Han (POSTECH) Electrical control of emergent phenomena on the oxide thin film surfaces
15:15 - 15:30	Oral	Dowook Kim (POSTECH) Electric-Field-Induced Semimetal Ta ₂ NiSe ₅ at Atomic Limit
15:30 - 16:00		Break
16:00 - 18:00		Poster Session
18:30 - 20:00		Banquet

Day 3 - 8.30(Fri)

Time	Session	Speaker
	Chair	Sangjun Jeon (CAU)
09:30 - 10:10	Tutorial	Wonjun Jang (IBS QNS) Advanced Scanning Tunneling Microscopy
10:10 - 10:35	Invited Speaker	Jun Woo Choi (KIST) Voltage control of magnetism in van der Waals ferromagnetic/ferroelectric heterostructures
10:35 - 11:00		Keeseong Park (DGIST) Physical Properties of Nominal Kagome Antiferromagnet Mn ₃ Sn Single Crystals from Bi-flux assisted Recrystallization
11:00 - 11:15	Oral	Yeonkyu Lee (POSTECH) Investigation of vdW ferromagnets Cr(Ge,Si)Te ₃ using a vector-field cryogenic magnetic force microscopy
11:15 - 11:30	Closing	Jeehoon Kim (POSTECH)