

Time Table

8/30		8/31		9/1	
9:00	Opening & Commorative Remark	9:00	Keynote (Cheol Seong Hwang) Dynamic random access memory	9:00	Plenary Japan (Naoshi Ikeda and Yoichi Okimoto) Electronic Ferroelectricity in RFe ₂ O ₄
9:15	Plenary (Seungbum Hong) Visualization of Polarization and Ion Distribution in Ferroelectric Materials	9:45	Break	9:45	Break
10:00	Break	10:00	Seung Chul Chae (Seoul National University) Atomic Layer Deposition of Epitaxial Ferroelectric Hf _{0.5} Zr _{0.5} O ₂ Thin Film	10:00	Yoon Heo (Inha University) Light-induced piezoelectricity enhancement in BiFeO ₃
10:15	Si-Young Choi (POSTECH) Ferroelectricity by phonon-decoupled oxygen tetrahedra in brownmillerite oxides	10:30	Jang-Sik Lee (POSTECH) Hafnia-based Ferroelectric Transistors for Memory and Neuromorphic Device Applications	10:30	High-spin Co ³⁺ as a trigger of weak ferromagnetism in Co substituted BiFeO ₃
10:45	Daisuke Morikawa (Tohoku Univ.) Local structure analysis of polar domain boundary using convergent-beam electron diffraction	11:00	Impact of deposition temperature on structural and electrical properties of (111)-oriented Hf _{0.5} Zr _{0.5} O ₂ /TiN stacks	10:45	Structural and electronic conduction properties of hydrogen-annealed WO ₃ films
11:15	Controlling Oxygen Vacancy Migration for Enhanced Photoelectrochemical Properties in SrTiO ₃ -X/Nb:SrTiO ₃ Photoanodes	11:15	Non-centrosymmetric crystallization in 8 nm HZO thin films via DUV irradiated defect modulation	11:00	Synthesis of a novel titanite-type oxide PbTiGeO ₅
11:30	Charge Order Transition and the Electric Polarization in YFe ₂ O ₄	11:30	Self-rectifying Ferroelectric Tunnel Junction Based on HfO ₂ /ZrO ₂ /HfO ₂ Superlattice and its Application for Neuromorphic Computing	11:15	Closing Remark
11:45	Dielectric Response of SrTiO ₃ Thin Films under AC Field Proved by Microsecond Time-Resolved X-ray Absorption Spectroscopy	11:45	Lunch / Poster Session		
12:00	Lunch / Committee Meeting			12:00	Excursion
13:15	Shinya Tsukada (Shimane Univ.) Exploring Ferroelectrics with Gradients for Phase Diagram Understanding	13:15	Ken Takeuchi (Univ. of Tokyo) Ferroelectric FET-based Computation-in-Memory (CiM) for Edge AI	12:15	
13:45	Hyungjeen Jeon (Pusan National University) Controlling phases in oxygen sponge SrFe _{1-x} CoxO _{3-δ}	13:45	Wook Jo (UNIST) Developing New Functionalities for Perovskite Ferroelectric Oxides	12:30	
14:15	Hiroki Matsuo (Kumamoto Univ.) Enhancement of Photovoltaic Effects in Ferroelectric Oxides by Gap-State Engineering	14:15	Ayako Taguchi (Japan Fine Ceramics Center) Searching for Non-Perovskite Ferroelectrics using First-Principles Calculations	12:45	
14:45	Three-Dimensional Polar Topology in Ferroelectric Nanoparticles	14:45	Study of effect of transition metal ion doping in perovskite oxides through DFT calculation	13:00	Michigan Cruise with Buffet
15:00	Visualization of ferroaxial domain structure by using a circularly polarized SHG	15:00	Selective observation of enantiomeric chiral phonons in α-quartz by circularly polarized Raman spectroscopy	13:15	
15:15	Break	15:15	Break	13:30	
15:30	Takashi Teranishi (Okayama Univ.) Fast charge transfer via dielectric interface in secondary batteries	15:30	Woo Seok Choi (Sungkyunkwan University) Dimensionality-Controlled Electromagnetic Properties in Perovskite Ruthenate Superlattices	13:45	
16:00	Jun Hee Lee (UNIST) Origin of Zero-Energy-Cost Domain Walls beyond Flat Phonon Band in HfO ₂	16:00	Seiji Nakashima (Hyogo Pref. Univ.) Bulk photovoltaic effect in BiFeO ₃ thin films	14:00	
16:30	Kim Sangwook (Hiroshima Univ.) Role of structural disorder on ferroelectricity in lead-free BiFeO ₃ -based piezoelectric materials	16:30	Enhanced energy storage performance and thermal stability of BNKT-BBN solid solution ceramics	14:15	
17:00	Extraordinarily large extrinsic contribution ratio to piezo-response in monoclinic (K, Na)NbO ₃ epitaxial films	16:45	Electromechanical properties of epitaxial BiFe _{1-x} MnxO ₃ film for piezoelectric MEMS vibration energy harvester	14:30	
17:15	Impact of domain switching to lattice deformation under applying an electric field in tetragonal (100)/(001)-oriented Pb(Zr, Ti)O ₃ epitaxial films	17:00	Ferroelectric Polarizations, Aging, Defect Dynamics, and Piezoelectric Hardening in BiFeO ₃ -BaTiO ₃ Lead-free Ceramics	14:45	
17:30	Contribution of Domain Structure Change to Direct and Converse Piezoelectricity in Sol-gel Epitaxial Pb(Zr _{0.3} Ti _{0.7})O ₃ Thin Film	17:15	Physical Reservoir Computing using Piezoelectric MEMS for Edge AI	15:00	
17:45	Break	17:30	Dielectric Properties of BaZrO ₃ Single Crystals: Temperature Dependence	15:15	Transportation
18:00	Poster Session	17:45	Break	15:30	to Otsu station
18:15		18:00	Transportation for Conference Diiner	15:45	to Minami-Kusatu station
18:30		18:15		16:00	to BKC
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19:00		18:45		16:30	
19:15		19:00	Conference Dinner	16:45	
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