

32nd International Workshop on Oxide Electronics (iWOE32)

Poster Session B (Sessions 4, 5, 6)

Date & Time: September 29, 2026 (Tue) 14:00 - 16:00 | Venue: Main Hall / Poster Area

Poster ID	Presenter & Affiliation	Abstract Title
PB-01	Harunori Shiratani <i>(The Univ. of Tokyo)</i>	Intrinsic low-spin state and strain-tunable anomalous Hall scaling in high-quality SrRuO ₃ (111) films
PB-02	Haruto Kaminakamura <i>(Science Tokyo)</i>	Higher-order contributions in anomalous Hall effect as revealed by full-angular field-direction measurements of SrRuO ₃ ultrathin films
PB-03	Akhilesh Singh <i>(Academia Sinica)</i>	Anisotropic Magnetoresistance and Magnetic Field-Tunable Weyl Nodes in Weyl metal SrRuO ₃ Thin Films
PB-04	Masaki Kobayashi <i>(NTT Basic Research Labs)</i>	Thickness-Dependent Suppression of Near-Fermi-Level Density of States in Ultrahigh-Quality SrRuO ₃ Thin Films
PB-05	Jobu Matsuno <i>(The Univ. of Osaka)</i>	Quantitative determination of the Dzyaloshinsky-Moriya interaction in SrIrO ₃ /SrRuO ₃ bilayers by tilted-field full-droplet analysis
PB-06	Kamrul Hasan <i>(The Univ. of Tokyo)</i>	Enhanced Electric-Field Control of Spin Waves through Lu-Induced Lattice Distortion in Garnet Oxides
PB-07	Ritsuki Sonetaka <i>(The Univ. of Tokyo)</i>	Sub-nanosecond spin dynamics in yttrium iron garnet-based spin-frustrated thin films
PB-08	Dongxun Yang <i>(The Univ. of Tokyo)</i>	Ultrafast Spin Dynamics in Strain-induced Spin Frustrated Lutetium Iron Garnet (LuIG) Films on YAG Revealed by Time Resolved Magneto-Optic Faraday Effect
PB-09	Gabriele De Luca <i>(Institut de Ciència de Materials de Barcelona)</i>	Nonlinear optical imaging of magnon transport in oxide magnetic insulators
PB-10	Mohammad Aktar Hossain <i>(IIT Kharagpur)</i>	Orbital Hybridization Induces Giant Cubic Rashba Effect at Cu/WO ₃ Interface
PB-11	Jack Dorsey <i>(Northwestern Univ.)</i>	Thin Film Growth of Altermagnetic Candidate α -Fe ₂ O ₃ by Pulsed Laser Deposition
PB-12	Kazuya Katsubori <i>(The Univ. of Osaka)</i>	Optical investigation of altermagnetism in antiferromagnetic LaFeO ₃ thin films
PB-13	Ryan Thompson <i>(Univ. of Fribourg)</i>	Magnetic High Entropy Oxides: A New Class of Magnetic Dielectrics
PB-14	Subhrangsu Sarkar <i>(Univ. of Fribourg)</i>	Spontaneous Voltage and Persistent Current Generation at Cuprate/Manganite Interfaces

PB-15	Laura Guasco (MPI for Solid State Research)	Tunable Ru-doped magnanite based synthetic antiferromagnets
PB-16	Sangkyun Ryu (Pusan Nation Univ.)	Enhanced magnetism in cation-modulated manganite heterostructures
PB-17	Jinyoung Oh (Sungkyunkwan Univ.)	Giant Magnetization Enhancement in an Ultrathin Orthoferrite
PB-18	Hidetatsu Yoshimura (Tohoku Univ.)	Thin Film Synthesis of a New Rocksalt-Type Rare-Earth Monoxide TmO with Ferromagnetism and Multicarrier Conduction
PB-19	Kenichi Kaminaga (Tohoku Univ.)	Emergent Magnetic and Electrical Transport Properties in 4d/5d Transition-Metal-Substituted LSMO
PB-20	Vadim Ratovskii (Univ. of Twente)	Magnetoresistance governs apparent magnetic-field enhancements in water electrolysis
PB-21	Manu Mohan (Univ. of Canterbury)	Evolution of the Spin Cycloid in BiFeO ₃ Thin Films with Magnetic Field and Temperature
PB-22	Seung Heon Han (Univ. of Twente)	Growth control during pulsed laser deposition to tune the electrochemical behavior of epitaxial Li ₄ Ti ₅ O ₁₂ spinel thin films
PB-23	Jan Klimek (Masaryk Univ.)	Towards Tunable Non-Collinear Magnetism in La _{1-x} Sr _x MnO ₃ Superlattices
PB-24	Satoshi Sasaki (Tohoku Univ.)	Single-Phase RockSalt-Type Gadolinium Monoxide Epitaxial Thin Films with a Large-Thickness-Dependent Magnetization
PB-25	Anshu Gupta (Technical Uni. of Denmark)	Towards Efficient Spin-Charge Interconversion in γ -Al ₂ O ₃ /KTaO ₃ Two-Dimensional Electron Gases
PB-26	Keisuke Sato (Shibaura Institute of Technology)	Fabrication and physical properties of MgTi ₂ O ₄ spinel oxide thin films
PB-27	Soumyakanta Panda (Laboratoire Albert Fert)	Interplay of Spin–Orbit Coupling and e-e Coulomb Interactions in BaSnO ₃ /LaInO ₃ Oxide Interfaces Revealed by Magnetotransport
PB-28	Daigo Takafuji (The Univ. of Osaka)	Spin current generation arising from an epitaxial 4d MoO ₂ film
PB-29	Kohei Ueda (The Univ. of Osaka)	Spin current generation arising from unique electronic structure of 5d CaIrO ₃
PB-30	Takahiro Fujita (RIKEN)	Giant anomalous Hall effect from proximitized emergent field
PB-31	Seongmun Kim (Pusan National Univ.)	Electron Spin Resonance Simulation based on First Principles Calculation
PB-32	Shiho Sugiyama (The Univ. of Tokyo)	Insight into the spin alignment in polycrystalline NiCo ₂ O ₄ films

PB-33	Yuto Abiko (Tohoku Univ.)	Anomalous Hall Effect and Interfacial Magnetic State in Compositionally-Graded Ru-substituted (La, Sr)MnO ₃ Films
PB-34	Yuki Wakabayashi (NTT Basic Research Labs)	Self-driving sputter epitaxy of β -Ga ₂ O ₃ : from autonomous optimization to transferable oxide growth rules
PB-35	Shabab Ali (Tokyo Metropolitan Univ.)	Solid-Phase Epitaxial Growth of Rutile-type GeO ₂ Thin Films Prepared by RF Magnetron Sputtering
PB-36	Haruka Shibata (Tokyo Metropolitan Univ.)	Investigation on Ta doping in ultrawide bandgap semiconductor SrSnO ₃
PB-37	Takuto Soma (Tohoku Univ.)	Multinary Nitrides: A New Frontier for Oxide Epitaxy Techniques
PB-38	Keiji Shibata (Chubu Univ.)	Solid Phase Epitaxy of Rutile-Type GeO ₂ Films Under High Pressure
PB-39	Daichi Miyazaki (Science Tokyo)	Epitaxial growth and electronic states of zirconium oxynitride thin films
PB-40	Uta Aiba (Tohoku Univ.)	Electronic Structure of Rocksalt YO Thin Films with Anomalous Valence States Studied by Photoelectron Spectroscopy
PB-41	Kazuki Koreishi (Science Tokyo)	Quaternary ultrawide-bandgap oxide semiconductor alloy: AlScGaO
PB-42	Fatma Ali (Northwestern Univ.)	Growth and Transfer of Hematite (α -Fe ₂ O ₃) Thin Films for Ultrafast Pump- Probe Spectroscopy
PB-43	Zhengyang Zhong (The Univ. of Tokyo)	Sign reversal of the Hall coefficient in La ₂ DyNi ₂ O ₇ thin films by varying epitaxial strain
PB-44	Nachi Obara (Hokkaido Univ.)	Thickness-dependent low-temperature localization in CaRuO ₃ ultrathin films
PB-45	Mitsuki Yoshimura (Hokkaido Univ.)	Fabrication of Metastable Bixbyite Ce ₂ O ₃ Thin Films
PB-46	Rafael Costa-amaral (Tohoku Univ.)	Atomistic Origin of Selenium-Enhanced Hole Transport in Amorphous Tellurium Oxides
PB-47	Mahsa Zamani (Max Planck Institute for Solid State Research)	Origin of the Narrow Low-Temperature Growth Window of PdCoO ₂ in Molecular Beam Epitaxy
PB-48	Gideok Kim (Max Planck Institute for Solid State Research)	Reactive sputtering growth of Sr ₂ IrO ₄ thin films and Raman-based detection of iridium vacancies
PB-49	Mikk Lippmaa (The Univ. of Tokyo)	Autonomous synthesis of metastable ferrites
PB-50	Yuji Muraoka (Okayama Univ.)	Orbital-Driven Lattice Softening and Anisotropic Spinodal decomposition in Rutile TiO ₂ -VO ₂

PB-51	Kwanhong Park (Pusan National Univ.)	Anharmonic Phonon Effects from High-Order Force Constants
PB-52	Hikaru Okuma (The Univ. of Tokyo)	Magnetotransport properties of EuTaO ₃ epitaxial thin films
PB-53	Kurumi Hoshino (Kanazawa Univ.)	Electron doped CaTiO ₃ films grown by gas source molecular beam epitaxy
PB-54	Shagun Thakur (Georg August Univ.)	Influence of Growth Conditions on the Structural and Local Electronic Properties of Epitaxial Mn-Doped ZnO Thin Films
PB-55	Akira Chikamatsu (Ochanomizu Univ.)	Crystal structure and fluoride-ion transport in Sr substituted cerium fluoride thin films prepared by topochemical fluorination
PB-56	Isao Ohkubo (NIMS)	Anion- and transition metal-dependent chemical trends in electronic structure parameters of 3d transition-metal compounds
PB-57	Reina Tsuiji (Ochanomizu Univ.)	Fabrication and Characterization of YBaFe ₂ O ₅ F Epitaxial Thin Films via Topochemical Fluorination
PB-58	Kazunori Ueno (The Univ. of Tokyo)	Hydrogenation-Induced Electrical Conductivity in LaAlO ₃ Single Crystals
PB-59	Michal Kiaba (Northwestern university)	Capping-Layer Control of Topotactic Transformation in La-Sr Cobaltite Thin Films
PB-60	Nicolas Bonmassar (Univ. of Stuttgart)	Heterogenous Oxygen Sublattice Structure in La _{0.67} A _{0.33} MnO ₃ (A=Ba, Ca, Sr) Thin Films
PB-61	Gurukrishna Kelayathodi (Vellore Institute of Technology)	Microstructure and defect engineering driven tuning of the insulator–metal transition in RF sputtered VO ₂ thin Films
PB-62	Aliya Kaplan (Northwestern Univ.)	Stabilizing oxygen stoichiometry in BaFeO ₃ thin films by capping layer and cold-temperature storage
PB-63	Hikaru Sadahira (Hokkaido Univ.)	Thermal conductivity of In ₂ O ₃ thin films
PB-64	Yu-hsien Lee (National Tsing Hua Univ.)	Thermal-Stress Design in Quasi-2D Semiconductors via Anisotropic Thermal Expansion Engineering
PB-65	Suyue Chen (Xi'an Univ. of Posts & Telecommunications)	Effect of Annealing Atmosphere on Structure and Electrical Properties of β-Ga ₂ O ₃ Thin Films
PB-66	Joshua Feldon (Northwestern Univ.)	Oxygen Vacancy Segregation in Multi-Phase WO ₃ -x Thin Films Grown Under Tensile Strain
PB-67	Donghyeon Kim (Sungkyunkwan Univ.)	Optical Phonon Evolution in SrTiO ₃ –δ with Controlled Oxygen Vacancies
PB-68	Do-hyun Kim (Sungkyunkwan Univ.)	Controlling Oxygen Evolution Reaction in Ba-Doped LaNiO ₃ Epitaxial Thin Films

PB-69	Hiroshi Oike (NIMS)	Thermally quenched metastable metallic state in $V_{1-x}W_xO_2$
PB-70	Alexandros Sarantopoulos (Forschungszentrum Juelich)	Stoichiometry control and structural tuning of $CaIrO_3$ thin films via plume dynamics
PB-71	Hongming Zhang (Tohoku Univ.)	Low-Temperature Air-Annealing Effects on Electrical and Optical Properties of $SrVO_3$ Films
PB-72	Chia-hsuan Hsieh (Univ. of Stuttgart)	Growth and Characterization of Superconductor - Thermoelectric Interfaces
PB-73	Naoya Arihara (Tokyo Univ. of Science)	Electronic Correlation Energy and Metal–Insulator Transition in $VO_2/Nb:TiO_2$ Heterostructures
PB-74	Jiwon Yang (The Univ. of Tokyo)	Hierarchy of quantum corrections to resistivity of a γ - $Al_2O_3/SrTiO_3$ 2DEG
PB-75	Marko Kuveždić (Laboratoire Albert Fert)	Two-gap superconductivity, unconventional pairing, and local field-effect control in $KTaO_3$ (111) 2DEGs
PB-76	Sota Fuji (Kyoto Univ.)	Control of the thermodynamic stability of protons in TiO_2/VO_2 heterostructures through TiO_2 cap-layer crystallinity
PB-77	Yu Chen (CNR-SPIN)	Giant non-reciprocal transport from hexagonal Fermi-surface warping in a spin-polarized oxide Rashba electron system
PB-78	Chun Sum Brian Pang (Univ. of British Columbia)	Superconducting 2D Electron Gas on $KTaO_3(111)$ via Mg-Induced Surface Reduction
PB-79	Junryeol Baek (Sungkyunkwan Univ.)	Comparison of the Interfacial Charge Transfer in (100) and (111) $LaMnO_3/SrMnO_3$ Superlattices
PB-80	Daniela Stornaiuolo (Univ. of Naples Federico II)	Focused helium-ion beam engineering of gate-tunable tunnel barriers in $LaAlO_3/SrTiO_3$ interfaces
PB-81	Yota Nakajima (The Univ. of Tokyo)	Ultralow-Temperature Magnetotransport at $Dy_2Ti_2O_7/(Pb_xSr_{1-x})_2Ru_2O_{6.5}$ Heterointerface Structure
PB-82	Changjae Roh (Univ. of Geneva)	Real-space mapping of orbital quantum geometry at oxide interfaces
PB-83	Pia Henning (Univ. of Göttingen)	From Chromium Telluride to Oxide heterostructures: Ageing and Oxidation of Chromium Tellurides