

Poster Sessions

Monday, September 20 (13:00-14:30)

Poster No.	First Author (Abs. No.) <u>Presenter</u>	Title
1	<u>Y. Nagao</u>	Fabrication and Field Effect Thermopower Modulation of Anatase TiO ₂ Thin Film Transistor
2	<u>C. -S. Huang</u>	Low Temperature Aqueous Solution Growth and Field-emission Gas Ionization Sensing Properties of ZnO nanowires
3	<u>M. Kim</u>	Intrinsic Spin-Orbit Coupling Effects in Symmetric Delta-Doped SrTiO ₃ Heterostructures
4	<u>F. Schoofs</u>	Influence of stoichiometry on the electronic reconstruction at the LaAlO ₃ /SrTiO ₃ interface
5	<u>S. Asanuma</u>	Control of metal-insulator transition in NdNiO ₃ electric double-layer transistors
6	<u>K. Uchida</u>	Fabrication and Characterization of A Single Crystalline SrTiO ₃ Thin Film Transistor
7	<u>H. Matsui</u>	Surface plasmon effects on energy resonance in optically quantized oxide system: Metal-QW heterosystem on ZnO
8	<u>T. Mizuno</u>	Thermopower Modulation in A Rutile TiO ₂ Field-Effect Transistor
9	<u>K. Matsumoto</u>	Oxygen diffusion in transition metal oxide artificial superlattices
10	<u>T. Okabe</u>	Band alignment of Alq ₃ /Nb:SrTiO ₃ interface studied by in situ photoemission spectroscopy
11	<u>A. Ono</u>	Fabrication of ZnO nano structures and their physical properties
12	<u>M. Gwon</u>	Surface Plasmonic Effects on Light Emission and Absorption of ZnO/Ag Periodic Nanostructures
13	<u>M. Minohara</u>	Potential profiling in depth for perovskite oxide heterojunctions using photoemission spectroscopy
14	<u>H. Kim</u>	Fabrication of Pt/TiO ₂ /Ti Planar Junctions and Understanding Their Transport Using Scanning Probe Microscopy
15	<u>M. Matvejeff</u>	Fabrication of electronically sharp oxide heterointerfaces
16	<u>D. P. Kumah</u>	The Interfacial Structure of Epitaxial Complex Oxides on Semiconductors
17	<u>D. Paparo</u>	Buried Interfaces of Transition-metal Oxides investigated by means of Optical Second Harmonic Generation
18	<u>T. Iwata</u>	The effect of annealing under vacuum on the electrical characteristics of Pt/NiO/Pt stack structures
19	<u>R. Yasuhara</u>	Electrode dependence of electronic structures at metal/Pr _{0.7} Ca _{0.3} MnO ₃ interfaces
20	<u>K. Sakuma</u>	ReBa ₂ Cu ₃ O _{7-δ} Thin Films Grown on A-plane Sapphire Substrates with Oxide Buffer Layers

21	<u>M. Biasotti</u>	Tensile strain effects on La _{0.7} Sr _{0.3} CoO ₃ thin films by heteroepitaxy and SrTiO ₃ microcantilevers
22	<u>I. Pallecchi</u> <u>D. Marre</u>	Seebeck effect in the conducting LaAlO ₃ /SrTiO ₃ interface
23	<u>F. J. Walker</u>	Structure, Dynamics, and Electronic Properties of Complex Oxide Interfaces
24	<u>H. Boschker</u>	Interface engineering at the La _{0.67} Sr _{0.33} MnO ₃ -SrTiO ₃ interface
25	<u>M. Huijben</u>	Quantum oscillations in a modulation doped oxide system
26	<u>J. -S. Kim</u>	Bipolar switching in Pt/TiO ₂ /SRO thin films prepared by PLD
27	<u>R. Shimizu</u>	Atomically-ordered ($\sqrt{13} \times \sqrt{13}$) SrTiO ₃ (001) substrate surface for epitaxial growth
28	<u>I. Hwang</u>	Switching transition between bi-stable memory switching and mono-stable threshold switching in a NiO thin film
29	<u>G. Oh</u>	Effects of ion-beam treatment on ZrO ₂ thin film
30	<u>T. Kanki</u>	Direct observation of metallic path formation in stochastic resonance devices using VO ₂
31	<u>S. Hong</u>	Electrical characteristics of EuxOy films on Pt substrates for resistive random access memory
32	<u>E. Lee</u>	Internal Photoemission Spectroscopy of Resistive Switching Pt/SrTiO ₃ Junctions
33	<u>H. T. Yuan</u>	Tuning the Band Alignment of Liquid/Oxides Interfaces in Electric-Double-Layer Transistors
34	<u>K. Nishio</u>	The electronic characteristics of doped A-site channel SrTiO ₃ field-effect transistors
35	<u>J. Sakai</u>	Ion Beam Assisted Pulsed Laser Deposition of Ba _{0.6} Sr _{0.4} Ti _{0.7} Zr _{0.3} O ₃ Films on Pt-coated Si substrates
36	<u>L. E. Coy</u>	Structural, Morphological and Functional Characterization of Y ₂ NiMnO ₆ thin films grown by PLD
37	<u>S. Gariglio</u>	Superconducting critical behavior of LaAlO ₃ /SrTiO ₃ interfaces in magnetic fields
38	<u>A. Fete</u>	Magnetotransport properties of LaAlO ₃ /SrTiO ₃ interfaces
39	<u>C. Cancellieri</u>	The role of the LaAlO ₃ thickness in the LaAlO ₃ /SrTiO ₃ system
40	<u>G. Niu</u> <u>B. Vilquin</u>	Integration of functional oxides on silicon
41	<u>A. Brugere</u> <u>B. Gautier</u>	Nanodomain Formation in Monocrystalline LiTaO ₃
42	<u>J. A. Eastman</u>	Field-Induced Electronic Doping in Mixed-Conductor Epitaxial Oxide Thin Film Heterostructures
43	<u>H. Koide</u>	Fabrication and Thermopower Modulation of Transparent Thin Film Transistors on amorphous In-based oxides

44	<u>N. Akou</u>	A Behavioral Model of Unipolar Resistive RAMs and its Application to HSPICE Integration
45	<u>M. Suzuki</u>	Numerical Study on VLS Oxide Nanowire Growth
46	<u>A. Klamchuen</u>	Crucial Role of Impurity Doping Dynamics on Transport Properties and Microstructures of VLS Grown SnO ₂ Nanowires
47	<u>K. Nagashima</u>	Crucial Role of Redox Events on Non-volatile Resistive Switching in Cobalt Oxide Nanostructures
48	<u>K. Oka</u>	Resistive Switching Phenomena in Limited Nanospace of a Single NiO Heterostructured Nanowire
49	<u>Y. Kozuka</u>	Enhancing Mobility of Two-Dimensional Electron Gas in ZnO/MgZnO Heterostructures
50	<u>W. Badalawa</u>	Optical characteristics of the metallic conductive oxide semiconductors towards the surface plasmons (SP) in near-infrared (NIR)
51	<u>M. Kanai</u>	Importance of Oxygen Atmosphere as a Controlling Factor of Oxide-Nanowire Growth
52	<u>M. Nakamura</u>	Rigid-band-like band profiles of Mott-insulator/Nb:SrTiO ₃ heterointerfaces as revealed by photocurrent action spectra
53	<u>A. N. Hattori</u>	Three dimensional patterned oxide substrates for the direct epitaxial growth of functional oxides
54	<u>R. Kinjo</u>	Characteristics of SrRuO ₃ Thin Film in Terahertz Frequency Region
55	<u>J. D. Burton</u>	Oxide Tunnel Junctions Supporting a Two-Dimensional Electron Gas: Resonant Tunneling, Spin-Polarization and Lattice Polarization Effects
56	<u>J. Fontcuberta</u>	Electric tuning of magnetization across interfaces in exchange biased structures
57	<u>P. de Coux</u> <u>F. Sanchez</u>	Epitaxial ferromagnetic CoFe ₂ O ₄ (111) films on Si(001) buffered with ultra thin YSZ layers
58	<u>N. Iwata</u>	Preparation of CaFeO _x /LaFeO ₃ Superlattice on SrTiO ₃ (100) Substrates
59	<u>Ni. Zhong</u>	Preparation of Rectifying Pt/TiO _x /Pt Capacitor
60	<u>Sankar Dhar</u>	Observation of half metallic doped TiO ₂ system

Tuesday, September 21 (13:30-15:00)

Poster No.	First Author (Abs. No.) Presenter	Title
1	<u>H. Wadati</u>	Resonant soft x-ray scattering studies of Pr _{0.5} Ca _{0.5} MnO ₃ thin films
2	<u>M. Isobe</u>	Solid-state epitaxy of A-site ordered perovskite CaCu ₃ Mn ₄ O ₁₂ thin film
3	<u>T. Ohnishi</u>	Formation of SrRuO ₃ , Sr ₃ Ru ₂ O ₇ and Sr ₂ RuO ₄ thin films from a SrRuO ₃ target by pulsed laser deposition
4	<u>E. Sakai</u>	Paramagnetic insulator to ferromagnetic metal transition in transition-metal doped TiO ₂
5	<u>S. Kobayashi</u>	Atomic structure and electronic state of off-stoichiometric SrMnO _{3-δ} thin films grown by pulsed laser deposition
6	<u>H. Takami</u>	W-doping effects on VO ₂ thin film with giant metal-insulator transition investigated by Hard X-ray Photoemission spectroscopy
7	<u>T. Sakamoto</u>	Self-assembled growth of (Fe,Zn) ₃ O ₄ -BiFeO ₃ nano-pillar structure by co-deposition method
8	<u>F. Liu</u>	Exciton properties and ultrafast dynamics in direct wide-gap CuScO ₂ thin films
9	<u>L. Alff</u>	Oxygen engineering of transition metal oxide thin films: HfO _{2-x} , Fe ₃ O ₄
10	<u>A. M. H. R. Hakimi</u>	Indium Tin Oxide thin films for Transparent Spintronic applications
11	<u>Y. Muraoka</u>	Bulk and surface physical properties of the CrO ₂ thin films prepared from a Cr ₈ O ₂₁ precursor
12	<u>E. Folven</u>	Ordering of the antiferromagnetic domains in nanostructured LaFeO ₃ thin films
13	<u>R. Scherwitzl</u>	Field-effect studies of ultrathin rare-earth nickelate films
14	<u>K. Yoshimatsu</u>	Fermi surface of SrRuO ₃ thin films studied by soft x-ray angle-resolved photoemission spectroscopy
15	<u>M. Gibert</u>	Transport and Magnetic Properties of LaNiO ₃ /LaMnO ₃ Superlattices
18	<u>N. Iwata</u>	Preparation and Evaluation of Cr ₂ O ₃ /(Cr _x Al _{1-x}) ₂ O ₃ films on sapphire substrates
19	<u>K. S. Takahashi</u>	Fabrication and physical properties of SrIr _{1-x} Ru _x O ₃ thin films
20	T. Kikuzuki <u>M. Lippmaa</u>	Magnetostrictive magnetic field sensors based on VO ₂ films
21	<u>P. -H. Xiang</u>	Systematic Control of Metal-Insulator Transition in Hole- and Electron-Doped SmNiO ₃ Thin Films
22	<u>S. Chakraverty</u>	Observation of next nearest neighbor interaction in the magnetic state of epitaxially grown Sr ₂ TaFeO ₆ double perovskites
23	<u>N. Ichikawa</u>	Low temperature reduction of trivalent nickel oxides: perovskite LaNiO ₃ and layered-perovskite LaSrNiO ₄

24	<u>J. Fontcuberta</u> <u>G. Herranz</u>	Interface phenomena in manganese perovskites: self-adaptative chemical composition and capping effects
25	<u>H. Tanaka</u>	Enhancement of Spin Polarization in a Transition Metal Oxide Ferromagnetic Nano-Dot Diode
26	<u>K. Shibuya</u>	X-ray induced phase transition in electron-doped VO ₂ thin films
27	<u>H. Murakami</u>	Development of a High-sensitive Laser Magneto-optical Imaging System for Magnetic Devices
28	<u>M. Nakamura</u>	Self-organized and artificially-engineered phase separation in manganite thin films
29	<u>F. Iwamoto</u>	Magnetic and Electronic Properties of Ru-substituted Spinel Ferrite Thin Films
30	<u>I. Kawayama</u>	Optical switching of YBCO Josephson Junctions and Nanobridges
31	<u>C. -S. Huang</u>	Novel Annealing Post Treatment with Different Gas Atmosphere to Aluminum Doped Zinc-Oxide Thin Film
32	<u>Z. Galazka</u>	Electrical and optical properties of Czochralski grown β -Ga ₂ O ₃ single crystals
33	<u>J. D. Burton</u>	Magnetic reconstruction at the manganite/ferroelectric interface induced by polarization switching
34	<u>I. Pallecchi</u> <u>L. Pellegrino</u>	Cu ₂ O as nonmagnetic semiconductor for spin transport in crystalline oxide electronics
35	<u>M. Seki</u>	Epitaxial thin films of two-dimensional triangular antiferromagnet RFe ₂ O ₄ grown by pulsed laser deposition
36	<u>J. Schwarzkopf</u>	Substrate temperature induced phase transitions in Na substituted Bi ₄ Ti ₃ O ₁₂ films grown by MOCVD
37	<u>T. Ohsawa</u>	Thickness-dependent Local Surface Electronic Structures of Homoepitaxial SrTiO ₃ Thin Films
38	<u>R. Takahashi</u>	Spontaneous out-of-plane ordering in epitaxial barium stannate thin films
39	<u>J. Guyonnet</u>	Shear effects in lateral piezoelectric response across ferroelectric domain walls in thin films
40	<u>A. Yoshikawa</u> <u>K. Uchida</u>	Field-Modulation of Thermopower for KTaO ₃ Field-Effect Transistors
41	<u>Y. Lisunova</u>	Controlled growth and placement of single-walled carbon nanotubes on epitaxial ferroelectric thin films
42	<u>B. Ziegler</u>	Nanoscale studies of ferroelectric domain wall behaviour and switching dynamics in epitaxial BiFeO ₃ thin films
43	<u>C. Blaser</u>	Polarization switching and ferroelectric field effect in devices combining carbon nanotubes with epitaxial Pb(Zr _{0.2} Ti _{0.8})O ₃ thin films
44	<u>D. D. Fong</u>	Surface Reactivity – Polarization Interactions in BaTi _{1-x} Ni _x O ₃ Films
45	<u>K. Ueno</u>	Low temperature operation of a field-effect transistor of SrTiO ₃ with an robust atomic-layer-deposition gate dielectric
46	<u>J. Hoffman</u>	Magnetoelectric coupling in composite multiferroic heterostructures

47	<u>J. Block</u>	Novel ferroelectrics by growth on pseudocubic (111) oriented substrates
48	<u>D. Lee</u>	Gigantic and controllable flexoelectric effect on domain configuration in a high-T _c ferroelectric epitaxial film
49	<u>T. Harada</u>	Modification of the ferromagnetic insulating phase by B-site substitution in perovskite manganites
50	<u>J. Wolfman</u>	Epitaxial Vs polycrystalline Ba _{0.6} Sr _{0.4} Ti _{1-x} Zr _x O ₃ based tunable capacitors : a combinatorial comparative study
51	<u>H. Nishikawa</u>	Epitaxial Pb(Zr _{0.52} Ti _{0.48})O ₃ Thin Film on Flexible Polymer Material and its Piezoelectric Property for Huge Bending Stress
52	<u>N. Horiuchi</u>	Estimation of interfacial capacitance between metal and perovskite-type oxide using modified Schottky model
53	N. Dix <u>F. Sanchez</u>	Selectable spontaneous polarization direction and magnetic anisotropy in CoFe ₂ O ₄ - BiFeO ₃ epitaxial nanostructures
54	<u>A. Sambri</u>	High quality epitaxial ferroelectric Pb(Zr _{0.2} Ti _{0.8})O ₃ thin films on silicon for energy scavenging devices
56	<u>T. Yoshimura</u>	Device Characterization of Controlled Polarization type ferroelectric gate TFT
57	<u>H. Yokota</u>	Crystal Structure of PbZr _{1-x} Ti _x O ₃
58	<u>J. Fontcuberta</u>	Ferroelectricity and magnetodielectric response in spin-collinear AMnO ₃ epitaxial thin films
59	<u>S. Nakashima</u>	Characterization of Bismuth Ferrite Thin Films with Large c/a Axial Ratio Prepared by Ion Beam Sputtering
60	<u>H. Fujisawa</u>	Switching current measurements of ferroelectric PbTiO ₃ nanoislands using scanning probe microscopy