



17th International Workshop on Oxide Electronics (WOE17)

Program

Awaji Yumebutai
International Conference Center, Japan
September 19-22, 2010

Committees

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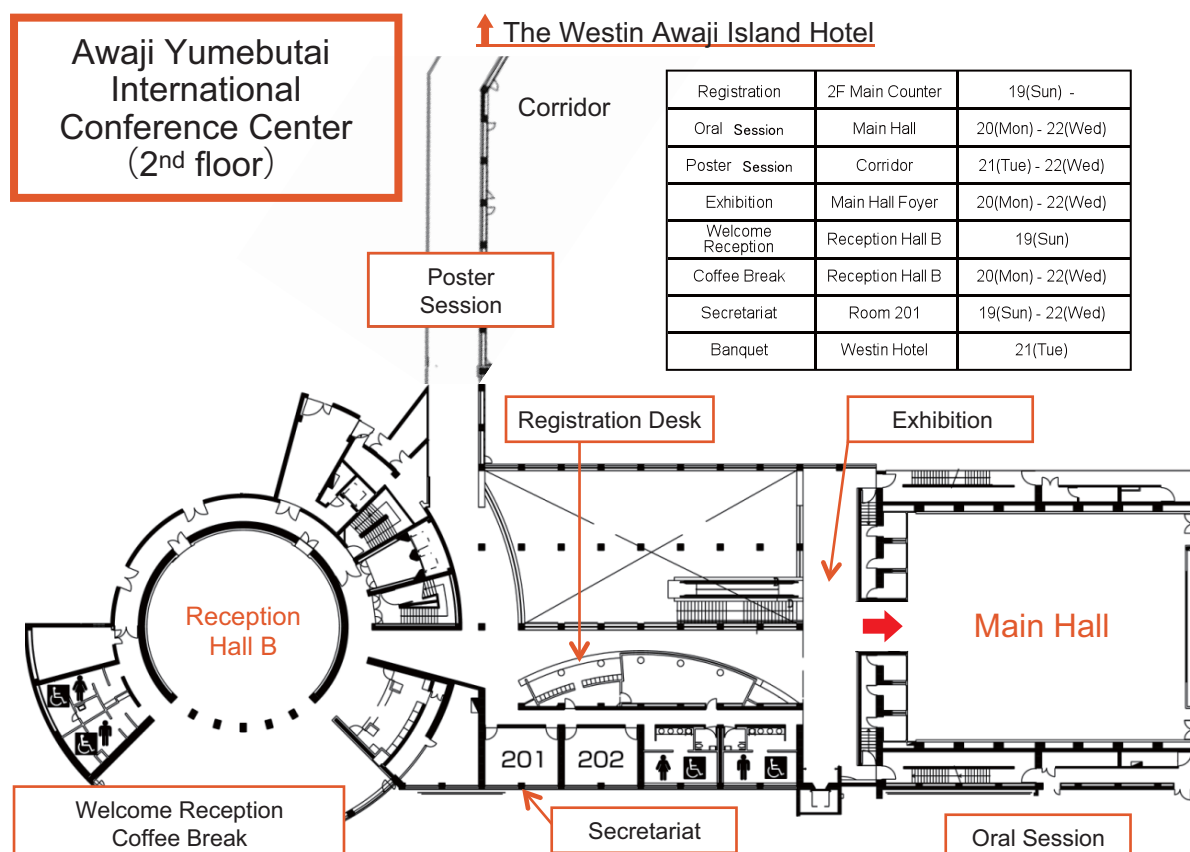
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Program at a Glance

Sunday, Sept.19	Monday, Sept.20	Tuesday, Sept.21	Wednesday, Sept.22
Reception Hall B	Main Hall		
	Registration 7:30-18:00	Registration 8:00-18:00	Registration 8:00-11:00
	Opening Remarks 8:45-9:00	Oral 5 9:00-10:15 Chair: C. -B. Eom Speakers: J. Junquera/ J. D. Burton/K. Ueda/ I. Ohkubo	Oral 9 8:30-9:45 Chair: C. Ahn Speakers: R. Rüegg/ R. Nechache/Y. Segal/ A. Vailionis
	Oral 1 9:00-10:00 Chair: M. Kawasaki Speakers: M. Fiebig/ L. Pellegrino/G. Herranz	Oral 6 10:45-12:00 Chair: J. Junquera Speakers: Y. Kuroiwa/ Y. Noguchi/S. M. Yang/ P. Paruch	Oral 10 10:15-11:30 Chair: T. Kawai Speakers: C. -B. Eom/ J. E. Boscher/ G. Rispens/P. Zubko
	Oral 2 10:30-11:30 Chair: M. Fiebig Speakers: A. Rusydi/ D. Kan/W. -I. Liang	Lunch 12:00-13:30	Closing Remarks 11:30-11:45
	Lunch 11:30-13:00	Poster Session-II 13:30-15:00	
	Poster Session-I 13:00-14:30	Oral 7 15:00-16:30 Chair: J. -M. Triscione Speakers: J. Fontcuberta/ R. Dittmann/T. Yanagida/ Y. G. Zhao/H. Koinuma	
	Oral 3 14:30-15:45 Chair: D. Blank Speakers: H. Hosono/ G. Koster/H. Ohta/ Taiki Yamamoto	Oral 8 17:00-18:30 Chair: M. Koinuma Speakers: Y. Tokura N. Reyren/G. Rijnders/ C. Aruta/Takahisa Yamamoto	
	Oral 4 16:15-18:15 Chair: T. W. Noh Speakers: M. Kawasaki/ Y. Dagan/A. Caviglia/ T. Fix/Y. W. Xie/ A. Tebano	Banquet 19:00- "STELLA" Westin Hotel 1F	
Registration 18:00-20:00			
Welcome Reception 19:00-			

Floor Plan



Outline of the Congress

Congress Name: 17th International Workshop on Oxide Electronics (<http://www.woe17.org>)

Dates: Sept.19 (Sun) - 22 (Wed), 2010

Venue: Awaji Yumebutai International Conference Center

(<http://www.yumebutai.org/english/access/access.html>)

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Official Language: English

Secretariat

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Registration

Registration Desk Opening Hours

Date	Opening Hours	Location
Sept. 19 th (Sun.)	18:00 - 20:00	2 nd Floor
Sept. 20 th (Mon.)	7:30 - 18:00	
Sept. 21 st (Tue.)	8:00 - 18:00	
Sept. 22 nd (Wed.)	8:00 - 11:00	

Badges

A badge is required for admittance to all official congress sessions and events. Each participant is asked to present the badge in order to gain access to the congress. The badge must be worn and clearly displayed at all times.

Registration Fee and Items Included

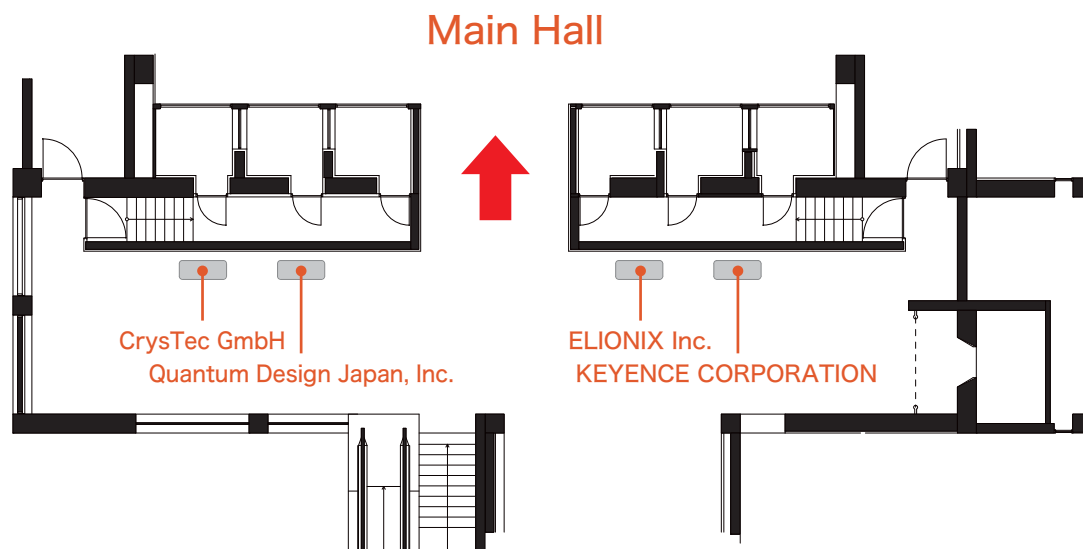
Item	Regular		Student	
	Early-bird Rate	Standard Rate	Early-bird Rate	Standard Rate
Registration Fee	JPY40,000	JPY 50,000	JPY 20,000	JPY 25,000
Name Badge	V	V	V	V
Program	V	V	V	V
Abstract (USB Flash Memory)	V	V	V	V
Congress Bag	V	V	V	V
Admission to the Sessions	V	V	V	V
Exhibition	V	V	V	V

Exhibition

Exhibition Opening Hours

Date	Opening Hours	Location
Sept. 20 th (Mon.)	10:00 - 18:00	Main Hall Foyer
Sept. 21 st (Tue.)	8:00 - 18:30	
Sept. 22 nd (Wed.)	8:00 - 11:00	

Exhibition Floor Plans



Exhibitors

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Information for Oral Sessions

1. Allocated Time for presentation

Presentation time is set as follows:

Invited Oral Session: up to 25 min. / Q&A: up to 5 min.

Contributing Oral Session: up to 10 min. / Q&A: up to 5 min.

2. If you use the Secretariat's PC

- 1) Only USB flash memories and CD-R are accepted. MOs, floppy disks, and CD-RWs cannot be accepted.
- 2) Windows is the only operating system available for the presentations.
(If you have prepared the presentation data on a Macintosh, you are advised to bring your own computer).
- 3) Your media should contain only the presentation data for the Congress.
- 4) Your presentation data file should be named as <Session Number><Name>.ppt.
- 5) If your presentation data is linked to other files (i.e. still or moving images, graphs, etc.), those linked files should also be saved in the same folder, and the links checked beforehand.
- 6) If your presentation data has audio/movie image, please bring your own computer for presentation.
- 7) The Secretariat is responsible for destroying all copies of any data after the session.

3. If you bring your own PC

- 1) The Secretariat will prepare a Mini D-sub 15 pin PC cable connector. If your PC is not compatible with this cable connector, please bring an adaptor to connect your PC to the Mini D-sub 15 pin PC cable connector.



Mini D-sub 15 pin

- 2) Please bring your AC adapter with you.
- 3) The resolution of the LCD projector is XGA (1024 x 768). If your computer requires a resolution setting to be changed, please change this setting beforehand.
- 4) Please also bring your presentation data on a media (either on USB flash memory or CD-R) as a backup file.

Information for Poster Sessions

1. Schedule

Poster Presenters are asked to place their posters at the designated space and to follow the schedule below.

Date	Poster Mounting	Presentation	Poster Removal
Sept. 20 th (Mon.)	8:00 - 8:30	13:00 - 14:30	- 17:00
Sept. 21 st (Tue.)		13:30 - 15:00	

2. Preparing Your Posters

1) Please prepare your posters to fit in the poster panel size.

Poster size

Poster: 180 centimeters high by 90 centimeters wide

Session No. (Secretariat provides)	Presentation Title, Name(s) of Author(s), Institution (Prepared by Presenter)
<Contents>	

The diagram shows a large rectangular poster panel. A horizontal double-headed arrow at the bottom indicates a width of 90cm. A vertical double-headed arrow on the right side indicates a height of 180cm. The panel is divided into two sections: a top header section and a larger content section below it.

- 2) The Secretariat will prepare a panel with your poster number. Each presenter is responsible for preparing their posters with the title, name(s) of author(s) and institution(s).
- 3) The Secretariat will prepare the poster panel and pins. Please do not use any tape etc. that is not provided by the Secretariat.

3. Poster Presentation (Free Discussion)

Poster presenters are expected to be ready in front of your poster panel at latest 5 minutes prior to your session.

Social Events

Welcome Reception

Date : Sunday, Sept. 19, 2010

Time : 19:00 -

Location : Reception Hall B

Please join us at the Welcome Reception where light meals & drinks will be served. It is a perfect opportunity to meet old friends, refresh contacts and start new networks.

Banquet

Date : Tuesday, Sept. 21, 2010

Time : 19:00 -

Location : Grand Ballroom "STELLA", 1F, The Westin Awaji Island

Best Poster Award

The Best Poster Award will be given to the best poster presentations at the workshop. The decision will be made by the voting of all participants. The award is open to any poster presenters and the awardees will be presented at the end of the meeting, Closing Remarks on Sept. 22nd.

Venue Information & Others

Lunch

Lunch meal coupons for Sept. 20 and 21 are included in the congress bag.

Certificate of Attendance

The certificate of attendance is included in the congress bag.

Smoking

Smoking is prohibited in the venue.

Meeting Policies

1. Photographing and audio recording without the permission are prohibited.
2. Please set your cell phones into silent mode or turn off during the sessions.
3. Please do not leave your belongings on the seats in the rooms to keep the seats.
4. Eating and drinking during the sessions are prohibited.

Secretariat's Office

Secretariat's office is Room 201, 2nd floor of the venue. If you have any questions during the meeting, please visit the registration desk or secretariat's office.

Lost and Found

Please visit the registration desk for lost and found.

Message Board

Message board is located beside the registration desk. Please make sure to remove the message by yourself.

Business Center

Business Center is located on B1F at the venue.
(http://www.yumebutai.org/english/service/service_09.html)

Internet

Wireless Internet Service is available at the public space, lobby and foyer of the venue and also Internet connection by wired LAN is available in all guestrooms of The Westin Awaji Island.
(http://www.yumebutai.org/english/service/service_10.html)

Souvenir Shops

You will find a souvenir shop on the 2nd floor of The Westin Awaji Island.

Oral Sessions

Monday, September 20

8:45-9:00	Opening Remarks	
Oral-1: Correlated systems-I Chair: M. Kawasaki		
9:00-9:30	Invited Oral	"Unusual Manifestations of Ferroelectric Order in Multiferroics" M. Fiebig, University of Bonn, Germany
9:30-9:45	Contributing Oral	"Free-standing structures of epitaxial correlated oxides: a role towards all-oxide MEMS devices" L. Pellegrino, CNR-SPIN, Italy
9:45-10:00	Contributing Oral	"Beyond linear magneto-optics in ferromagnetic oxides" G. Herranz, ICMB-CSIC, Spain
10:00-10:30	Coffee break	
Oral-2: Ferroelectrics-I Chair: M. Fiebig		
10:30-11:00	Invited Oral	"Experimental observation of crystallization of paired holon state in a model high-Tc compound" A. Rusydi, National University of Singapore, Singapore
11:00-11:15	Contributing Oral	"Universal behavior in structural and ferroelectric properties for RE-substituted BiFeO3 thin films" D. Kan, University of Maryland, USA
11:15-11:30	Contributing Oral	"Strain-induced Mophotropic phase boundary of multiferroic BiFeO3 thin film on silicon substrate" W. -I. Liang, National Chiao Tung University, Taiwan
11:30-13:00	Lunch	
13:00-14:30	Poster session-I	
Oral-3: Devices and applications-I Chair: D. Blank		
14:30-15:00	Invited Oral	"Surface Property of C12A7 Electrides" H. Hosono, Tokyo Institute of Technology, Japan
15:00-15:15	Contributing Oral	"Diffusion driven self organization of SrRuO3 nanowires on ordered surface terminations" G. Koster, University of Twente, The Netherlands
15:15-15:30	Contributing Oral	"Field-Induced Water Electrolysis Switches SrTiO3 from an Insulator to a Metal" H. Ohta, Nagoya University, Japan

15:30-15:45	Contributing Oral	"Interfacial redox reactions at Al/perovskite oxides heterojunctions showing resistive switching" Taiki Yamamoto , The University of Tokyo, <i>Japan</i>
15:45-16:15	Coffee break	
Oral-4: Oxide heterostructures and interfaces-I Chair: T. W. Noh		
16:15-16:45	Invited Oral	"Fractional Quantum Hall Effect at the (MgZn)O/ZnO Interfaces" M. Kawasaki , Tohoku University, <i>Japan</i>
16:45-17:15	Invited Oral	Y. Dagan , Tel Aviv University, <i>Israel</i>
17:15-17:30	Contributing Oral	"Two-dimensional quantum oscillations and spin-orbit interaction in LaAlO3/SrTiO3 interfaces" A. Caviglia , University of Geneva, <i>Switzerland</i>
17:30-17:45	Contributing Oral	"Influence defects in two-dimensional electron gases based on the LaAlO3/SrTiO3 interface" T. Fix , University of Cambridge, <i>United Kingdom</i>
17:45-18:00	Contributing Oral	"Charge writing at the LaAlO3/SrTiO3 surface" Y. W. Xie , The University of Tokyo, <i>Japan</i>
18:00-18:15	Contributing Oral	"Interface preferential band occupation in La2/3Sr1/3MnO3 films by angle resolved photo-emission spectroscopy" A. Tebano , Università di Roma Tor Vergata, <i>Italy</i>

Tuesday, September 21

Oral-5: Correlated electron systems-II Chair: C. -B. Eom		
9:00-9:30	Invited Oral	"First principles simulations on insulating/insulating and insulating/metal oxide interfaces" J. Junquera , Universidad de Cantabria, <i>Spain</i>
9:30-9:45	Contributing Oral	"Evolution of the band alignment with interfacial composition and magnetic order at the interface of a hole-doped Lanthanum manganite, La _{1-x} AxMnO ₃ and SrTiO ₃ " J. D. Burton , Nebraska Center for Materials and Nanoscience, <i>USA</i>
9:45-10:00	Contributing Oral	"Fabrication and physical properties of antiferromagnetic double Perovskite compound Sr _{2-x} LaxVMoO ₆ " K. Ueda , Nagoya University, <i>Japan</i>
10:00-10:15	Contributing Oral	"Defect energy levels at Al/Pr _{0.8} Ca _{0.2} MnO ₃ interfaces exhibiting resistance switching determined by deep level transient spectroscopy" I. Ohkubo , The University of Tokyo, <i>Japan</i>

10:15-10:45	Coffee break	
Oral-6: Ferroelectrics-II Chair: J. Junquera		
10:45-11:15	Invited Oral	"Electron Charge Density Study of Perovskite-type Ferroelectric Oxides in Cubic Structure" Y. Kuroiwa, Hiroshima University, Japan
11:15-11:30	Contributing Oral	"High-Performance Bi-Based Ferroelectric Single Crystals Grown High-Oxygen Pressure Top-Seeded Solution Growth Method" Y. Noguchi, The University of Tokyo, Japan
11:30-11:45	Contributing Oral	"Unveiling the ac Dynamics of Ferroelectric Domains by Investigating the Frequency Dependence of Hysteresis Loops" S. M. Yang, Seoul National University, Korea
11:45-12:00	Contributing Oral	"Nanoscale studies ferroelectric domains and domain walls" P. Paruch, University of Geneva, Switzerland
12:00-13:30	Lunch	
13:30-15:00	Poster session-II	
Oral-7: Devices and applications-II Chair: J. -M. Triscone		
15:00-15:30	Invited Oral	"Switchable magnetization and polarization in multiferroic exchange-biased structures and films" J. Fontcuberta, ICMB-CSIC, Spain
15:30-15:45	Contributing Oral	"Coexistence of filamentary and homogeneous resistive switching in Fe-doped SrTiO3 thin film memristive devices" R. Dittmann, Research Center Juelich, Germany
15:45-16:00	Contributing Oral	"Resistive Switching Memory Effects in a Single Oxide Nanowire" T. Yanagida, Osaka University, Japan
16:00-16:15	Contributing Oral	"Resistance switching effect in the cuprate heterostructures" Y. G. Zhao, Tsinghua University, China
16:15-16:30	Contributing Oral	"Oxide initiative to make the dream of "Sahara solar breeder plan" come true" H. Koinuma, The University of Tokyo, Japan
16:30-17:00	Coffee break	
Oral-8: Oxide heterostructures and interfaces-II Chair: M. Koinuma		
17:00-17:30	Invited Oral	Y. Tokura, The University of Tokyo, Japan
17:30-17:45	Contributing Oral	"Towards Spin Injection in LaAlO3/SrTiO3 Heterostructures" N. Reyren, Unité mixte de physique CNRS/Thales, France
17:45-18:00	Contributing Oral	"The influence of the structure and quality of SrTiO3 on the SrTiO3-LaAlO3 interface properties" J. E. Kleibeuker, G. Rijnders, University of Twente, The Netherlands

18:00-18:15	Contributing Oral	"Growth dynamics and interfacial properties of band insulating oxides heterostructures" C. Aruta , Università di Napoli "Federico-II", <i>Italy</i>
18:15-18:30	Contributing Oral	"Atomic structural change induced by Sr/Ti off-stoichiometry of SrTiO ₃ homoepitaxial thin films grown by pulsed laser deposition" Takahisa Yamamoto , The University of Tokyo, <i>Japan</i>
19:00-	<i>Banquet</i>	

Wednesday, September 22

Oral-9: Correlated electron systems-III Chair: C. Ahn		
8:30-9:00	Invited Oral	"Electron correlations in artificial structures of complex materials" A. Rüegg , ETH Zurich, <i>Switzerland</i>
9:00-9:15	Contributing Oral	"Nanostrutured functional oxides for future optoelectronics and energy-related nanodevices" R. Nechache , Matériaux et Télécommunications, <i>Canada</i>
9:15-9:30	Contributing Oral	"Resonant charged carrier-phonon coupling in complex oxide heterostructures" Y. Segal , Yale University, <i>USA</i>
9:30-9:45	Contributing Oral	"Misfit Strain Accommodation in Epitaxial ABO ₃ Perovskites: BO ₆ Octahedral Rotations and Lattice Modulations" A. Vailionis , Stanford University, <i>USA</i>
9:45-10:15	Coffee break	
Oral-10: Ferroelectrics-III Chair: T. Kawai		
10:15-10:45	Invited Oral	"Ferroelastic switching for nanoscale nonvolatile magnetoelectric devices" C. -B. Eom , University of Wisconsin-Madison, <i>USA</i>
10:45-11:00	Contributing Oral	"Epitaxial control of periodic lattice distortions in Perovskite thin films" J. E. Boschker , Norwegian University of Science and Technology, <i>Norway</i>
11:00-11:15	Contributing Oral	"Interface effects in BiFeO ₃ -LaFeO ₃ superlattices" G. Rispens , University of Geneva, <i>Switzerland</i>
11:15-11:30	Contributing Oral	"Static and Dynamic Properties of Ferroelectric Domains in PbTiO ₃ /SrTiO ₃ Superlattices" P. Zubko , University of Geneva, <i>Switzerland</i>
11:30-11:45	Closing Remarks & Prize Presentation	

Poster Sessions

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

Poster No.	First Author (Abs. No.) Presenter	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