

25th International Workshop on Oxide Electronics

1st – 3rd October 2018 Les Diablerets, Switzerland



Workshop Program

Full booklet of abstracts available at www.iwoe25.org

25th International Workshop on Oxide Electronics

1st - 3rd October 2018

Les Diablerets, Switzerland

International committee

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Sponsors















Workshop Program

Sunday 30th September 2018

17h00 Registration at the Eurotel Victoria

19h30 Dinner

Monday 1st October 2018

08h00 Registration at the Congress Center

08h45 Welcome and opening remarks

Detection of Symmetry Breaking

Chair: Philippe Ghosez (Université de Liège)

9h00 Patrick Maletinsky (University of Basel)

Single spin magnetic sensing of mesoscopic condensed

matter systems

9h30 Tobia Nova (MPI Hamburg)

Light-induced symmetry breaking in SrTiO₃

9h45 Gustau Catalan (ICREA -ICN2)

Breaking not-so-bad: fracture flexoelectricity

10h00 Woo Seok Choi (Sungkyunkwan University)

Ferroelectricity in 1D tetrahedral chain network via combined

polar distortion

10h30 Coffee break

Collective	States	in	Transition	Metal	Oxides
	Jiuios		HUISHIOH	IVICIAI	OMIGOS

Chair: Charles Ahn (Yale University)

11h00 Nicola Spaldin (ETH Zürich)

Connecting ferroelectricity and superconductivity in SrTiO₃

11h30 Nicolas Bergeal (Université Pierre and Marie Curie)

Superfluid stiffness in oxide interfaces

11h45 Diogo Vaz (CNRS, Thales)

Enhanced spin-to-charge conversion through topological states in SrTiO₃-based two-dimensional electron gases

12h00 Rui Peng (Fudan University)

Revealing the role of the interface in the high-temperature

superconductivity of single-layer FeSe/SrTiO₃

12h30 Lunch

Poster Session A

Chair: Jean-Marc Triscone (Université de Genève)

14h00 Poster session

Ruthenates

Chair: Ralph Claessen (Universität Würzburg)

15h30 Antoine Georges (The Flatiron Institute - Collège de France)

Sr₂RuO₄: a precision laboratory for electronic correlations

16h00 Sara Ricco (University of Geneva)

In-situ strain-tuning of the metal-insulator-transition of Ca₂RuO₄

in angle-resolved photoemission experiments

16h15 Andrew Millis (The Flatiron Institute - Columbia University)

Electron-lattice coupling in correlated electron materials:

Ca₂RuO₄ and beyond

16h30 25 anniversary of the iWOE

18h00 Hideomi Koinuma (University of Tokyo)

Smart Combinatorial Drone for exploring a new frontier of

oxide and molecular electronics

18h15 iWOE prize award ceremony

18h30 Drinks reception

20h00 Dinner

Tuesday 2nd October 2018

Complex Oxide Interfaces

Chair: Darrell Schlom (Cornell University)

8h45 Karin Rabe (Rutgers University)

Charge transfer and charge order in functional perovskite

superlattices from first principles

9h15 Gabriele De Luca (University of Zürich -ETH Zürich)

Real-time observation of polarization emergence in ultrathin

ferroelectric oxide heterostructures

9h30 Nagarajan Valanoor (University of New South Wales)

Topological transitions in ultrathin ferroelectric films

9h45 Nicolas Gauquelin (EMAT - Antwerp)

Electron microscopy study of the Metal-Insulator Transition in

nickelate superlattices

10h00 Naoya Shibata (University of Tokyo)

Direct electromagnetic field imaging of interfaces by

advanced STEM

10h30 Coffee break

Spin-Orbit Coupling at Polar Surfaces and

Interfaces

Chair: Manuel Bibes (CNRS - Thales)

11h00 Phil King (University of St Andrews)

Maximal Rashba-like spin splittings and intrinsic Stoner

instabilities at polar surfaces of delafossite oxides

11h30 Alexander Demkov (University of Texas)

A theoretical investigation of graphene on a polar SrTiO₃ (111)

surface

11h45 Marco Salluzzo (CNR-SPIN)

Orbital reconstruction and spin polarization in (100) and (111)

LaAlO₃/SrTiO₃ and LaAlO₃/EuTiO₃/SrTiO₃ q2DEG

12h00 Karsten Held (TU Wien)

Ferromagnetism and quantum anomalous Hall state in SrRuO₃

(1111)

12h30 Lunch

Oxides and The	eir Fu	unction	alities
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Chair: Guus Rijnders (University of Twente)

14h00 Nazanin Bassiri-Gharb (Georgia Institute of Technology)

Antiferroelectric PbZrO₃ thin films with multiple phase transitions

14h30 Taro Hitosugi (Tokyo Institute of Technology)

A high Li-ion conductivity at solid-electrolyte and electrode interfaces: introducing oxide epitaxial thin-film technology to

battery research

14h45 Jon-Paul Maria (Pennsylvania State University)

All-oxide IR devices based on high-mobility CdO thin films

15h00 Amalia Ballarino (CERN)

Superconducting materials for accelerators: an overview of

state-of the art performance and future needs

15h30 Coffee break and group photo

Metal-Insulator Transitions and Mott Physics

Chair: Chang-Beom Eom (University of Wisconsin-Madison)

16h00 Xiaoxing Xi (Temple University)

Nature of the metal-insulator transition in few-unit-cell-thick

LaNiO₃ films

16h30 Philipp Scheiderer (Universität Würzburg)

Tailoring materials for Mottronics: excess oxygen doping of a

prototypical Mott insulator

16h45 Sophie Beck (ETH Zürich)

Metal-Insulator Transition in thin films and multilayers of early

transition metal oxides from DFT+DMFT

Poster Session B

Chair: Stefano Gariglio (Université de Genève)

17h00 Poster session

20h00 Conference dinner

Wednesday 3rd October 2018

Complex Oxide Materials Design

Chair: Chris Leighton (University of Minnesota)

8h45 James Rondinelli (Northwestern University)

Valence precision and transparent band conductors in

complex oxides

9h15 Jaap Geessinck (University of Twente)

Charge transfer at the LaCoO₃-LaTiO₃ interface

9h30 Hari Nair (Cornell University)

Growth of superconducting Sr₂RuO₄ thin films

9h45 Gervasi Herranz (ICMAB-CSIC)

In-situ imaging of electric field-induced ferroelastic domain

motion in SrTiO₃

10h00 Yoshinori Tokura (RIKEN - University of Tokyo)

Emergent properties of Dirac and Weyl semimetals of iridates

10h30 Coffee break

Topological Textures in Oxides

Chair: Marc Gabay (Université Paris-Sud)

11h00 Andrea Caviglia (Delft University of Technology)

Berry phase engineering at oxide interfaces

11h30 Kei Takahashi (RIKEN)

Quantum transport in the films of a magnetic semiconductor

EuTiO₃

11h45 Lingfei Wang (Seoul National University)

Ferroelectrically tunable magnetic skyrmions in ultrathin oxide

heterostructures

12h00 Xiaoqing Pan (University of California)

Effects of ferroelectric polarization at oxide interfaces

12h30 Poster prize award ceremony

12h40 Closing remarks

12h45 Lunch

Presentations:

Invited Speakers 25 mins + 5 mins Q&A Oral Contributions 12 mins + 3 mins Q&A

Posters Poster boards: 116 cm x 116 cm

Poster index: Session A

Monday 1st October 2018, 14h

A1	Bharathi Rajeswaran (Indian Institute of Science, India) Unraveling the enhanced transition characteristics of thermochromic VO ₂ thin films for energy efficient smart windows
A2	Chadol Oh (Pohang University of Science and Technology, Republic of Korea) All inorganic electrochemical transistor with correlated oxides for low power and thermally stable artificial synapses
А3	lwao Kawayama (Osaka University, Japan) Characteristics of laser-induced terahertz emissions from gallium oxide surfaces
A4	Jongyoon Park (University of Tokyo, Japan) Selective gas sensing using WO₃ nanoparticles and zeolites hybrid structure for human cutaneous gas sensors
A5	Nicola Manca (Università degli studi di Genova, Italy) Micro-mechanical resonators powered by oxides' solid state phase transitions: a VO ₂ -based micro-engine
A6	Yonggang Zhao (Tsinghua University, China) Magnetoresistance behaviors of conducting filaments in resistive-switching NiO with different resistance states
A7	A. P. Nono Tchiomo (MPI Stuttgart, Germany) Growth and characterization of epitaxial La-doped BaSnO ₃ thin films grown by pulsed laser deposition
A8	Alexander A. Demkov (University of Texas, USA) Monolithic integration of patterned BaTiO ₃ thin films on Ge wafers
Α9	Andreas Klein (Technische Universität Darmstadt, Germany) The Fermi energy in oxides: Assessing and understanding the limits using XPS
A10	Céline Lichtensteiger (University of Geneva, Switzerland) InteractiveXRDFit: a new tool to simulate and fit X-ray diffractograms of oxide thin films and heterostructures
A11	Daniel Putzky (MPI Stuttgart, Germany) Epitaxial growth of high quality DyBa ₂ Cu ₃ O ₇ using atomic layer by layer molecular beam epitaxy
A12	F. Gunkel (RWTH Aachen University, Germany) Epitaxially stabilized phase and oxygen vacancy-ordering in cobaltite (double-)perovskite thin films
A13	R. de Andrés Prada (University of Fribourg, Switzerland) Deposition and nanofabrication of All Perovskite YBa ₂ Cu ₃ O _{7-y} /Ferromagnetic/ YBa ₂ Cu ₃ O _{7-y} Josephson junctions
A14	Hugo Meley (University of Geneva, Switzerland) LaVO ₃ thin films under epitaxial strain
A15	Jegon Lee (Sungkyunkwan University, Republic of Korea) Stoichiometry and epitaxial strain control of electrocatalytic activity in Ruthenate thin films
A16	Jos E. Boschker (Leibniz-Institut für Kristallzüchtung, Germany) Effect of symmetry mismatch on the heteroepitaxial growth of T-Nb ₂ O ₅ on SrTiO ₃
A17	M. E. Bernal (ICMAB-CSIC, Spain) Epitaxial growth of La ₂ NiMnO ₆ thin films on SrTiO ₃ by RF Sputtering
A18	M. Zapf (Universität Würzburg, Germany) Domain matching epitaxy and modified interfacial layer in BaBiO ₃ thin films on SrTiO ₃
A19	Patrick Salg (Technische Universität Darmstadt, Germany) Oxygen diffusion in epitaxial oxide heterostructures with SrMoO3 thin films
A20	Tornike Gagnidze (EMPA, Switzerland) Study of structural properties of ultrathin SrO films deposited on SrTiO ₃
A21	Wolfgang Braun (MPI Stuttgart, Germany) Substrate preparation and high-temperature stoichiometry control of oxide surfaces
A22	Woo Jin Kim (Institute for Basic Science, Republic of Korea) The fine phase control of pyrochlore iridates epitaxial films using sequential pulsed annealing epitaxy

A23	Yeaju Jang (Seoul National University, Republic of Korea)
A24	Transparent thin film transistors of polycrystalline SnO _{2-x} and epitaxial SnO _{2-x} A. Vailionis (Stanford University, USA)
AZ4	Tuning interfacial ferromagnetism via crystallographic symmetry mismatch
A25	B. Kim (Seoul National University, Republic of Korea)
	Robust 2D skyrmions in ultra-thin SrRuO₃ film
A26	Changan Wang (Helmholtz-Zentrum Dresden-Rossendorf, Germany)
	Defect-induced exchange bias in a single SrRuO ₃ layer
A27	Deepak Kumar (University of Normandie, France)
A 2.0	Mechanical strain engineering of magnetism in PrVO₃ thin films G. Araizi-Kanoutas (University of Amsterdam, The Netherlands)
A28	What does and does not lie behind emergent thickness- dependent ferromagnetism in
	LaMnO3 films
A29	Gennadii Laskin (MPI Stuttgart, Germany)
	SrRuO ₃ as a model system for quantum dots of correlated materials
A30	J.R. Hortensius (Delft University of Technology, The Netherlands)
	Ultrafast control of the Morin phase transition in the magnetic oxide DyFeO₃ by phonon
	pumping
A31	June Hyuk Lee (Korea Atomic Energy Research Institute, Republic of Korea)
	Polarised neutron reflectivity study of magnetic oxides thin films using HANARO reflectometers
A32	Lim Zhi Shiuh (National University of Singapore, Singapore)
A33	Ferrimagnetic Skyrmion in a Charge-transfer Superlattice Martina Müller (University Duisburg-Essen, Germany)
ASS	Tailoring magnetic oxide quantum wells
A34	R. Aeschlimann (CNRS, Thales, France)
7 (0 1	Non-collinear magnetism and "living-dead" layer in rare earth titanate thin films
A35	Sergi Martín Rio (ICMAB-CSIC, Spain)
	Oxide heterostructures for spin electronics
A36	Xiaofang Zhai (University of Science and Technology of China, China)
	Strain-induced high-temperature perovskite ferromagnetic insulator
A37	Yingfen Wei (University of Groningen, The Netherlands)
	Magnetic tunnel junctions based on ferroelectric Hf _{0.5} Zr _{0.5} O ₂ tunnel barriers
A38	Zhenping Wu (Beijing University of Posts and Telecommunications, China)
	Anomalous negative electroresistance and giant resistance modulation in epitaxial manganite/piezoelectric heterostructures
A39	Alla Chikina (PSI, Switzerland)
7.37	Orbital ordering of the mobile and localized electrons at oxygen-deficient LaAlO ₃ /SrTiO ₃
	interfaces.
A40	Binbin Chen (University of Twente, The Netherlands)
	Interfacial octahedral coupling and dimensionality controlled electronic transitions in
	NdNiO ₃ /SrTiO ₃ superlattices
A41	Jennifer Fowlie (University of Geneva, Switzerland)
0.40	Exploring the phase diagram of Nd _{1-x} La _x NiO ₃ thin films
A42	L.R. Viannie (Indian Institute of Science, India)
A43	Phase transition induced micromechanical actuation in VO ₂ coated cantilever M. Souri (University of Kentucky, USA)
A43	Mott variable-range hopping transport in Sr ₂ IrO ₄ epitaxial thin films
A44	Q. Guo (University of Groningen, The Netherlands)
7	Bad-metalicity and microstructure in rare-earth nickelates
A45	C. W. Schneider (PSI, Switzerland)
	Multiferroic properties of coherently grown orthorhombic RMnO ₃ (R = Gd-Lu) thin films
A46	Daniele Preziosi (University of Strasbourg, France)
	Tailoring 'trapped' electrons in ferroelectric field effect devices
A47	Hahoon Lee (Seoul National University, Republic of Korea)
	Ferroelectric field effect transistor based on BaSnO ₃
A48	laroslav Gaponenko (University of Geneva, Switzerland)
	Local and correlated studies of humidity-mediated ferroelectric thin film surface charge dynamics
A49	M. Viret (CEA, France)
, \¬ /	Imaging and modifying antiferromagnetic configurations in BiFeO ₃
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A50	Minh Thanh Do (University of Twente, The Netherlands)
	Ferroelectric fatigue of PbZr _{0.52} Ti _{0.48} O ₃ epitaxial thin films: from cause and mechanism to
	strategies to avoid
A51	P. J. Ryan (Argonne National Laboratory, USA)
	Employing in-situ frequency dependent x-ray scattering to explore the microscopic response
	of electrically driven epitaxial strained and free membrane PMN-30PT thin films at the
	morphotropic phase boundary.
A52	Pablo Vales (ICN2, Spain)
	Antiferroelectrics: flexoelectric and electrocaloric response
A53	Saúl Estandía (ICMAB-CSIC, Spain)
	Imaging polarization topologies in BaTiO ₃ /SrTiO ₃ Superlattices
A54	Sungmin Park (Seoul National University, Korea)
	Selective control of multiple ferroelectric switching pathways using trailing flexoelectric field
	and its implications
A55	Vikas Shabadi (Radiant Technologies, USA)
7 100	Advanced functional testing of oxide electronic systems
A56	A.E.M Smink (University of Twente, The Netherlands)
7100	Direct tunneling and capacitance spectroscopy in Au - (LaAlO ₃) ₄ - SrTiO ₃ tunnel junctions
A57	C. Weymann (University of Geneva, Switzerland)
AJI	Controlling defect distribution and intrinsic polarization state ultrathin ferroelectric films
A58	J. Khmaladze (University of Fribourg, Switzerland)
A36	Coupled Cu- and Mn charge and orbital orders in cuprate/manganite
A59	Daseob Yoon (Pohang University of Science and Technology, Republic of Korea)
A59	
	Oxygen-vacancy-assisted recovery process for increasing electron mobility in n-type BaSnO ₃ epitaxial thin films
A / O	
A60	Eric N. Jin (Yale University, USA)
0.74	2-dimensional electron gas oxide remote doping of Si(001)
A61	F.Y. Bruno (University of Geneva, Switzerland)
A (O	Two-dimensional electron gases at the (111) - Surfaces of KTaO ₃ and SrTiO ₃
A62	Gervasi Herranz (ICMAB-CSIC, Spain)
	Photoresponse dynamics and photoconductivity mapping in LaAlO ₃ /SrTiO ₃ interfaces
A63	Giordano Mattoni (Delft University of Technology, The Netherlands)
	Charge doping and large lattice expansion in oxygen-deficient heteroepitaxial WO₃
A64	J. Tornos (Universidad Complutense de Madrid, Spain)
	lonic liquid gating of SrlrO₃ ultra-thin films
A65	Jinkwon Kim (Seoul National University, Republic of Korea)
	The fabrication of s-wave/p-wave superconducting oxide heterojunctions
A66	Judith Gabel (Universität Würzburg, Germany)
	Interface band engineering in LaAIO ₃ /SrTiO ₃ heterostructures
A67	M. Mirjolet (ICMAB-CSIC, Spain)
	Misfit controlled electrical conductivity and simultaneous optimization of carrier density and
	mobility in transparent metallic 3d oxide films
A68	M. von Soosten (Technical University of Denmark, Denmark)
	Seeing the birth of conductivity at oxide interfaces - an in-situ transport study
A69	N. Lebedev (Leiden University, The Netherlands)
	Inducing magnetism in the electron gas at LaAlO ₃ /GdTiO ₃ /SrTiO ₃ interfaces
A70	Omar Ganesh Ji (National University of Singapore)
	The effect of LaFeO ₃ spacer layer on electrical properties of LaAlO ₃ /SrTiO ₃ interfaces
A71	P. Zhang (University of Groningen, The Netherlands)
	Unconventional anomalous Hall effect in SrRuO ₃ thin films
A 7.2	
A72	Ritsuko Eguchi (University of Geneva, Switzerland)
	Superconductivity at LaAlO ₃ /Ca doped SrTiO ₃ interfaces
A73	S. W. Zeng (National University of Singapore, Singapore)
	Electrolyte gating on high-T _c cuprates: superconductor-insulator phase transition and
	mechanism investigation
A74	Sizhao Huang (University of Twente, The Netherlands)
	Strain induced polar metal in (LaTiO ₃) _n /(LaVO ₃) _n superlattices
A75	T. Harada (Tohoku University, Japan)
	Nonlinear Hall effect originated from the surface of PdCoO2 ultrathin films

A76	V.N. Strocov (PSI, Switzerland) k-resolved electronic structure of buried oxide and semiconductor interfaces explored by soft-X-ray ARPES
A77	Weiwei Luo (University of Geneva, Switzerland) Temperature dependent scanning near-field optical microscopy of LaAlO ₃ /SrTiO ₃ interfaces
A78	Y. Z. Chen (Technical University of Denmark, Denmark) Scavenging of oxygen vacancies at modulation-doped oxide interfaces: Evidence from oxygen isotope tracing
A79	Yildiz Gozde Saglam (Delft University of Technology, The Netherlands) Probing the superconducting state of SrTiO ₃ /LaAlO ₃ by superconducting coplanar waveguide resonators
A80	Yu Zhang (Chinese Academy of Sciences, China) Metallic conduction and ferromagnetism in MAI ₂ O ₄ /SrTiO ₃ spinel/perovskite Heterostructures (M = Fe, Co, Ni)
A81	Alain Mercy (University of Liège, Belgium) Charge- versus orbital-order in perovskites
A82	Claude Ederer (ETH Zurich, Switzerland) The coupled structural and electronic metal-insulator transition in rare earth nickelates from DFT+DMFT
A83	Eric Bousquet (University of Liège, Belgium) First-principles study of ferroelectricity, antiferroelectricity and polarons in WO ₃
A84	Philippe Ghosez (University of Liège, Belgium) Engineering large and reversible Rashba spin splitting in ferroelectric perovskite oxides and related compounds
A85	Sébastien Lemal (University of Liège, Belgium) First-principles study of SrTiO ₃ (001)/LaAlO ₃ /SrTiO ₃ heterostructures
A86	Sohrab Ismail-Beigi (Yale University, USA) BoSS your oxide
A87	Xu He (University of Liège, Belgium) Toward a unified view on the metal-insulator transition in nickelates

Poster index: Session B

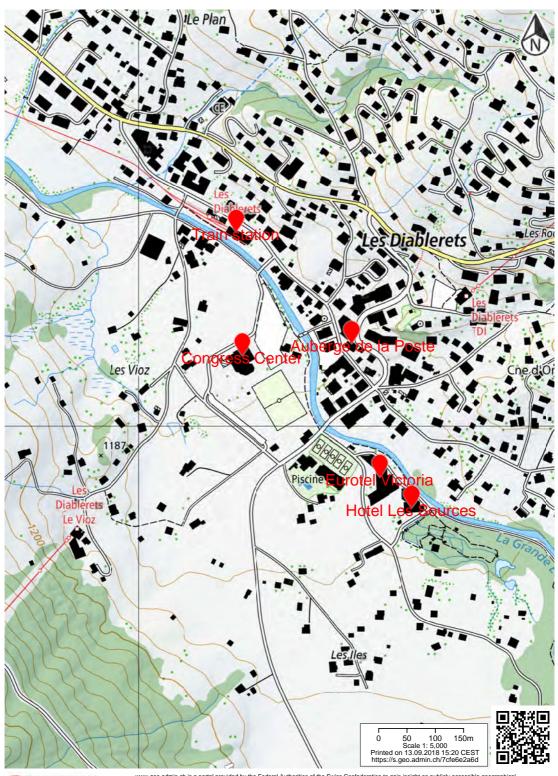
Tuesday 2nd October 2018, 17h

D.1	lo s
B1	C. Frontera (ICMAB-CSIC, Spain) Forrows and appropriating persyekite for populatile memory devices and appropriations conserved.
DO	Ferromagnetic insulating perovskite for nonvolatile memory device and anisotropic sensor Daniel M. Cunha (University of Twente, The Netherlands)
B2	Mapping electrochemical activity at the nanoscale for enhanced solid-state battery
	electrodes
В3	J. G. Connell (University of Kentucky, USA)
ВО	Hydrogen plasma induced Mott-insulating and transparent-conducting states in epitaxial
	Ba _{0.5} Sr _{0.5} TiO ₃ thin-films
B4	L. Alff (Technische Universität Darmstadt, Germany)
	Atomically interface engineered micrometer-thick oxide electrodes for thin dielectrics tunable
	at ion battery voltage
B5	Y. Uzun (University of Twente, The Netherlands)
	Generation and detection of surface acoustic waves on strain-induced piezoelectric SrTiO ₃
В6	Yunkyu Park (Pohang University of Science and Technology, Republic of Korea)
ВО	Low-temperature fabrication of NbO _x selector device with steep switching, low off-current and
	high lon/loff by pulsed laser annealing
В7	Adrian David (University of Normandie, France)
	Polycrystalline ceramics: a new generation of substrates using combinatorial epitaxy
В8	Amit Khare (Indian Institute of Science, India)
	Real-time observation of reversible topotactic phase transition in epitaxial SrFeO _x thin films
В9	C.A.J. de Hond (University of Twente, The Netherlands)
	Atomic control of disorder in PZT and epitaxial integration on GaN for high-power devices
B10	Claudia Cancellieri (EMPA, Switzerland)
	Complex oxidation behavior of WxTi _{1-x} O _y alloys
B11	Dirk Fuchs (Karlsruher Institut für Technologie, Germany)
	Electronic transport in (110) SrlrO₃ heterostructures
B12	F.V.E. Hensling (Forschungszentrum Juelich, Germany)
	UV radiation enhanced oxygen vacancy formation caused by the PLD plasma plume
B13	Huan Ma (EMPA, Switzerland)
D14	Single-crystal Strontium Aluminate thin films by pulsed laser deposition Hyeongmin Cho (Seoul National University, Republic of Korea)
B14	Effect of Ba _x Sr _{1-x} HfO ₃ buffer layer on La-doped BaSnO ₃
B15	Jeong Rae Kim (Seoul National University, Republic of Korea)
DIS	Preparation of atomically flat, single terminated LaAlO ₃ (001) substrate surfaces through
	thermal annealing and deionized water leaching
B16	Lukas Zeinar (Technische Universität Darmstadt, Germany)
DIO	Effect of Ti stoichiometry on crystal and electronic structure of single crystalline epitaxial
	Bao.5Sro.5Ti _{1+y} O ₃
B17	Nicola Manca (Delft University of Technology, The Netherlands)
	Understanding the semimetallic state of SrIrO ₃ thin films: from epitaxial growth to thermal and
	magneto-transport studies
B18	T.P.P. Le (University of Twente, The Netherlands)
	Tailoring Vanadium Dioxide Thin Film Orientation by Ti _{0.87} O ₂ and NbWO ₆ Nanosheets
B19	Victor Fuentes (ICMAB-CSIC, Spain)
	Thickness dependence of electronic properties in SrIrO ₃ thin films grown by sputtering
B20	Wolfgang Stein (SURFACE systems+technology GmbH+Co, Germany)
	Multi process thin film deposition and complex sample preparation cycle under protected
	atmosphere
B21	Y.F. Nie (Nanjing University, China)
	Realization of freestanding transition metal oxide 2D crystals of sub-nanometer thickness
B22	Yorick Birkhölzer (University of Twente, The Netherlands)
	Large area PLD of ferroelectric oxides on silicon for neuromorphic applications
B23	Alberto Pomar (ICMAB-CSIC, Spain)
	Magnetic anisotropy and spin dynamics in chemically deposited La _{0.92} MnO ₃ thin films

Calculation (University of Minnesota, USA) Glant electrostatic modification of magnetism via electrolyte-gate-induced cluster percolation in epitaxial La ₁ xS ₁ CoO ₂ D. Afanasiev (Defit University of Technology, The Netherlands) Resonant control of magnetism via selective excitation of the lattice vibration in magnetic oxide DyfeO ₃ F. Tifer (CNRS, Thales, France) Non-local detection of spin diffusion in LaAlO ₂ /SriiO ₃ heterostructures C. Bimashofer (PS), Switzerland) Reversible magnetoelectric switching by electrochemical lithium intercalation Reversible magnetoelectric switching multiferroic BailO ₃ /La ₂ /La ₂ /Sh ₁ /MinO ₃ Reversible magnetoelectric anistoropy on in artificially multiferroic BailO ₃ /La ₂ /La ₂ /Sh ₁ /MinO ₃ Reversible magnetoelectric anistoropy on in artificially multiferroic BailO ₃ /La ₂ /La ₂ /Sh ₁ /MinO ₃ Reversible magnetic to antiferromagnetic spin structure by anistic spin structure delectronic properties of rare-earth vanadate heterostructures Reversible magnetization in SriiO ₃ quantum wells embedded within Mott insulating heterostructures Reversible ma		
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D. Afanasiev (Delft University of Technology, The Netherlands) Resonant control of magnetism via selective excitation of the lattice vibration in magnetic oxide DyFeO3 F. Tirer (CMRS, Thales, France) Non-local detection of spin diffusion in LaAlOy/SriiO3 heterostructures G. Bimashofer (PSI, Switzerland) Reversible magnetoelectric switching by electrochemical lithium intercalation Analysis of magnetic anisotropy on in artificially multiferroic BaTiOs/LazysSriyaMnO3 heterostructures Lim Zhi Shiuh (National University of Singapore, Singapore) Paramagnetic to antiferromagnetic quantum critical phase transition induced by bandwidth reduction Marta Gibert (University of Zurich, Switzerland) Double-perovskite LazyMiMnOy. at thin film and a superlattice approach P. Radhakrishnan (MPI Stuttgart, Germany) Structural and electronic properties of rare-earth vanadate heterostructures Ryan Need (NIST, USA) Controlling magnetization in SrTiOs quantum wells embedded within Mott insulating heterostructures Li Tybell (Norwegian University of Science and Technology, Norway) The role of atomic reconstructions and antiferromagnetic spin structure to establish emerging interface spin textures at the (111)-oriented LagySigyMnOyJLaFeO3 interface Li Tybell (Norwegian University of Science and Technology of China, China) Therefore with a spin injection across a crystalline BaTiOy-Germanium interface Analyzang Cull (University of Geneva, Switzerland) Laser-ARPES investigation of the electronic structur		
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