Poster Session P2, Tuesday, October 1, 15:30-18:00

P2-1	The role of oxygen octahedra connectivity in orthorhombic perovskite heterostructures **Thibault, Clémentine** (University of Geneva)
P2-2	Interfacial charge-transfer in 3d/5d oxide heterostructures **Fuchs, Dirk** (Karlsruhe Institute of Technology)
P2-3	Tuning the interlayer coupling in $La_{0.7}Sr_{0.3}Mn_{0.95}Ru_{0.05}O_3$ / $LaNiO_3$ multilayers with perpendicular magnetic anisotropy **Schöpf, Jörg** (University of Cologne)
P2-4	Growth control of magnetic perovskite/2D topological insulator heterostructures - towards tailoring interfacial magnetic interactions **Brzozowski, Damian** (Norwegian University of Science and Technology)
P2-5	Superlattice domain engineering by pulsed laser deposition **Hallsteinsen, Ingrid** (Norwegian University of Science and Technology)
P2-6	Oscillatory conduction behavior in an all-epitaxial $(La_{2/3},Sr_{1/3})MnO_3/SrTiO_3/Nb:SrTiO_3$ tunneling heterostructure **Endo, Tatsuro** (University of Tokyo)
P2-7	Engineering the magnetic transition temperatures and the rare earth exchange interaction in oxide heterostructures **Moreno-López, Juan Carlos** (TU Wien)
P2-8	Large spin-valve effect in a $La_{0.67}Sr_{0.33}MnO_3$-based spin-MOSFET with two easy-magnetization axes induced by inserting a $LaMnO_3$ buffer layer **Nakamura, Aoi** (University of Tokyo)
P2-9	Operando transmission soft x-ray absorption spectroscopy of Li-ion battery structure by x-ray excited optical luminescence **Kitamura, Miho** (NanoTerasu Center QST, Japan)
P2-10	Custom-shaped freestanding conducting oxide membranes on demand **D'Alessio, Andrea** (Technical University of Denmark)
P2-11	Step-edge-induced structure modulation in freestanding $BaTiO_3$ membranes **Yun, Shinhee** (Technical University of Denmark)
P2-12	Can we control the release dynamics of freestanding oxide membranes? **Høgfeldt Christoffersen, Christina** (Technical University of Denmark)
P2-13	Thickness controlled spalling for oxide freestanding films via graphene buffer layers **Nayak, Kapil** (Forschungszentrum Juelich)
P2-14	Resonant photoemission spectroscopy investigation of the ferromagnetism enhancement in a $La_{2/3}Sr_{1/3}MnO_3$ membrane free from a $SrTiO_3$ substrate **Takeda, Takahito** (Hiroshima University)

P2-15	Bulk micro-machining of $SrTiO_3$ substrates for device applications **Manca, Nicola** (CNR-SPIN, Genova)
P2-16	Phase transitions in freestanding (K,Na)NbO_3 thin films grown by Metal-Organic Vapor Phase Epitaxy **Maltitz, Jeremy** (Leibniz Institut für Kristallzüchtung, Berlin)
P2-17	Wrinkle-driven symmetry evolution in $PbTiO_3$/$SrRuO_3$ freestanding membrane **Roh, Changjae** (University of Geneva)
P2-18	First order polarization process and anisotropic in-plane ferroelectricity in $CaTiO_3$ thin films **Korosec, Lukas** (University of Geneva)
P2-19	Investigating 3D domain structures and superdomains in ferroelectric $PbTiO_3$ based heterostructures on $DyScO_3$ **Tovaglieri, Ludovica** (University of Geneva)
P2-20	Strain engineering and ferroelectric/antiferroelectric properties of epitaxial perovskite oxide $NaNbO_3$ thin films **Shengwei, Zeng** (Institute of Materials Research and Engineering, Singapore)
P2-21	Zirconium oxide ferroelectrics for memory devices **Li, Yulei** (University of Groningen)
P2-22	Controllable periodic domains in $BaTiO_3$ thin films **Wu, Liyan** (Drexel University)
P2-23	Strain, Young's modulus, and structural transition of $EuTiO_3$ thin films probed by micro-mechanical methods **Marré, Daniele** (CNR-SPIN, Genova)
P2-24	Oxygen-driven phenomena in ferroelectric Hf(Zr)O_2 and AlScN thin films – A HAXPES study **Rehm, Oliver** (Universität Konstanz)
P2-25	Optimizing HfO_2 based trilayer memristor with ZrO_{2-x} oxygen vacancy reservoirs for advanced neuromorphic computing **Boynazarov, Turgun** (Sejong University)
P2-26	Interface engineering in IGZO-based devices **Yuan, Peijia** (Forschungszentrum Jülich)
P2-27	Area-type resistive switching $Pr_{0.7}Ca_{0.3}MnO_3$/WO_x devices **Moos, Zoe** (Forschungszentrum Jülich)
P2-28	Electrochemical impedance spectroscopy of artificial protonic synaptic devices **Besisa, Nada H.A.** (Kyushu University)
P2-29	Review of the proposed switching mechanisms in $Pr_{1-x}Ca_xMnO_3$ heterostructures considering the recent process with amorphous PCMO **Buczek, Max** (Forschungszentrum Jülich)
P2-30	Remotely triggered resistive switching in multiterminal VO_2 devices **Smink, Sander** (University of Twente)

P2-31	High temperature cluster spin glass behavior in defect controlled $Y_3Fe_5O_{12}$ thin films towards neuromorphic computation **Sarker, Md Shamim** (University of Tokyo)
P2-32	Non-volatile electro-thermal memristive behaviour in planar $NdNiO_3$ thin films **Tahouni-Bonab, Farnaz** (Universität Tübingen)
P2-33	All HfO_x resistive switches with artificial virtual electrode and self-limited oxide layer **Schreyer, Philipp** (TU Darmstadt)
P2-34	Growth conditions and characterization of $SrCoO_{3-\delta}$ thin film protonic conductor for electrochemical resistive switching **Shih, Li-Chung** (TU Darmstadt)
P2-35	Stable conductance modulation in WO_3-based proton devices via O_2 removal **Tsuji, Masaki** (Kyushu University)
P2-36	Influence of hafnium oxide layer thickness on the performance of Cu/HfO_2/Pt CBRAM device **Kim, Taewook** (TU Darmstadt)
P2-37	Electric-field control of the local thermal conductivity in negative charge transfer oxides **Rivadulla, Francisco** (Universidade de Santiago de Compostela)
P2-38	Nano engineered solid state ionic metal oxides for near-room temperature oxygen conductivity **Dhanalakshmi, R. Baby** (Denmark Technical University)
P2-39	Resonant $La_{2/3}Sr_{1/3}MnO_3$ suspended microbridges: mechanical characterisation, integration of the piezoelectric layer and application as bolometers **Tarsi, Gaia** (Normandie University)
P2-40	Electrically tunable free space barium strontium titanate (BST) optical filters **Vakili, Mojdeh** (TU Darmstadt)
P2-41	Freestanding $SrMoO_3$ membrane single layers and complete devices: strain mechanisms and high-performance varactors **Ruan, Yating** (TU Darmstadt)
P2-42	All-oxide thin-film varactors with $SrMoO_3$ bottom electrodes and Mn/Ni-doped BST for sub-6 GHz applications **Komissinskiy, Philipp** (TU Darmstadt)
P2-43	$(La_{0.7},Sr_{0.3})MnO_3$ trampoline resonators for magnetometers and IR bolometers **Pellegrino, Luca** (SPIN Institute, Genoa)
P2-44	Nanomechanical probing of the elasto-plastic responses of thin film $SrTiO_3$ **Fang, Xufei** (Karlsruhe Institute of Technology)
P2-45	Epitaxial $NiFe_2O_4$ films model systems for studying the inverse spinel facet OER activity **Ratovskii, Vadim** (University of Twente)

P2-46	Drug delivery efficiency of polymer-modified iron oxide nanoparticles loaded with chrysin **Karimova, Aynura** (Baku State University)
P2-47	Effect of the concentration and thermal annealing temperature to the physical properties of GO/PVA composite materials **Gahramanli, Lala** (Baku State University)
P2-48	Tuning the electric properties of $CaTiO_3$ by doping and incorporating GO **Xie, Wenjie** (TU Darmstadt)
P2-49	High frequency ferromagnetic resonance in hard magnetic iron oxides **Vila, Ana** (ICMAB-CSIC, Barcelona)
P2-50	Spin-torque ferromagnetic resonance in $SrTiO_3$-based systems **Soya, Nozomi** (Keio University)
P2-51	Strong field-driven suppression of the thermoelectric conversion in magnetic oxides **Ramos, Rafael** (Universidade de Santiago de Compostela)