

Poster Session P1, Monday, September 30, 18:00-20:30

P1-1	Utilizing capping layers to preserve properties of correlated oxide thin films Cohen, Amit (Technion – Israel Institute of Technology Haifa)
P1-2	Phase-separated nanostructures formation of Ni-doped SrTiO ₃ studied using low-temperature scanning tunneling microscopy and spectroscopy Liu, Yen-Po (Forschungszentrum Jülich)
P1-3	Exploring new substrates for the thin film growth of rutiles Birkhölzer, Yorick A. (Cornell University)
P1-4	Fabrication and structural characterization of Nd ₂ NiO ₄ thin films Maritato, Luigi (Università Degli Studi di Salerno and CNR-SPIN)
P1-5	Deposition of spinel IGZO films on optimized GZO templates Agiannis, Evangelos (KU Leuven)
P1-6	Integration of perovskite based transparent conducting oxides on industrial substrates: the key role of the glass substrate properties and binary oxides seed layers Mezhoud, Moussa (Normandie University)
P1-7	Strain-induced phase transition in epitaxial fluorite oxides De Luca, Gabriele (ICMAB-CSIC, Barcelona)
P1-8	Growth by pulsed laser deposition of SrVO ₃ thin films for optical applications Angeloni, Tancredi Thai (University of Geneva)
P1-9	Surpassing the limits: Is it possible to achieve high-purity SrRuO ₃ Thin Films using PLD? Monteiro Cunha, Daniel (University of Twente)
P1-10	Integrating epitaxial barium titanate on various substrates for silicon nitride photonics Shanker, Ojas (University of Twente)
P1-11	Optimizing the growth parameters for stoichiometric CaIrO ₃ thin films Sarantopoulos, Alexandros (Forschungszentrum Jülich)
P1-12	Growth of barium titanate thin films with ozone-assisted ALD Pulikkottil Dinesh, Dharsana (University of Oslo)
P1-13	CO ₂ laser substrate heating at very high temperatures during the deposition of functional films in UHV systems Stein, Wolfgang (SURFACE systems + technology GmbH + Co KG)
P1-14	Monophase in high-entropy oxides as solid-state electrolyte in thin film batteries Das, Shaona (TU Darmstadt)
P1-15	Decoupling of substrate and epitaxially grown Y123 thin films by Ca ₂ Nb ₃ O ₁₀ nanosheet templates Ruiters, Jelle (University of Twente)
P1-16	Engineering chiral magnetism in a centrosymmetric oxide Fowlie, Jennifer (Northwestern University)
P1-17	Band renormalization in LaTiO ₃ thin films approaching the Mott transition Sing, Michael (Julius-Maximilians-Universität Würzburg)

P1-18	Exploring topochemical oxygen insertion in Fe oxides for reversible tuning of thermal conductivity Varela-Domínguez, Noa (Universidade de Santiago de Compostela)
P1-19	Electrical control of magnon propagation in iron oxide garnet thin films Ahamed, EMK Ikbali (The University of Tokyo)
P1-20	Impact of interfacial proton accumulation on protonation in SrCoO _{2.5} oxides Xie, Lingling (Kyoto University)
P1-21	Neutron methods for investigation of hydrogen induced modifications of correlated oxides Guasco, Laura (Max-Planck Institute for Solid State Research, Stuttgart)
P1-22	Probing the Electronic Structure of La _{0.7} Sr _{0.3} MnO ₃ thin films grown by pulsed laser deposition Finnseth, Øyvind (Norwegian University of Science and Technology, NTNU)
P1-23	Single-site DFT+DMFT for vanadium dioxide using bond-centered orbitals Milvik, Peter (ETH Zurich)
P1-24	Light-matter interactions in spin-orbit-entangled transition metal systems Herranz, Gervasi (ICMAB-CSIC, Barcelona)
P1-25	Non-equilibrium approach to light-matter interactions in spin-orbit-entangled d-electron systems Miñarro, Alejandro S. (ICMAB-CSIC, Barcelona)
P1-26	Possible orbital momentum accumulation in the light early transition metal oxide SrVO ₃ Longo, Emanuele (ICMAB-CSIC, Barcelona)
P1-27	Laser-induced quenching of metastability in a V ₂ O ₃ thin film at the Mott-transition Guenon, Stefan (EKU Tübingen)
P1-28	Kinetics and reversibility of ion-triggered metal-insulator transitions in complex oxides Gunkel, Felix (Forschungszentrum Jülich)
P1-29	Large spin and orbital antiferromagnetism in BiCoO ₃ Braun, Maxime (Université de Liège)
P1-30	STEM-based in-situ study of electrically induced phase transitions and related phenomena at the nanoscale Gauquelin, Nicolas (University of Antwerp)
P1-31	Orbital assisted switching of electronic phases in V ₂ O ₃ thin films Sahoo, Sophia (University of Twente)
P1-32	Bulk electronic structure of SrNbO ₃ /SrTiO ₃ thin films Sadhukhan, Pampa (Universität Würzburg)
P1-33	Lattice distortions and 3d – 4f exchange interactions in RVO ₃ thin films Copie, Olivier (CNRS/Université de Lorraine, Nancy)
P1-34	Phonon mediated superconductivity in complex oxides Varignon, Julien (CRISMAT, CNRS, ENSICAEN, Normandie Université)
P1-35	Manipulating the metal-insulator transition in ultrathin oxide films by strain engineering Huang, Sizhao (Julius-Maximilians-Universität Würzburg)

P1-36	La doping of SrVO ₃ : tuning the effective mass in a TCO Lüders, Ulrike (Université de Caen)
P1-37	Synthetic oxide ferrimagnets emerging in proximity-coupled EuO heterostructures – a domain structure analysis Seema (Universität Konstanz)
P1-38	2D magnetic order in EuO-based synthetic ferrimagnets - induced by proximity coupling Müller, Martina (University of Konstanz)
P1-39	Integrating theoretical and experimental approaches to tailor optical properties in transparent highly conducting perovskites Xie, Ruiwen (TU Darmstadt)
P1-40	Vanadate TCO on glass substrate using CNO nanosheets as a template: effect of thickness on the film properties Fouchet, Arnaud (Normandie Université)
P1-41	Quest for p-type transparent conducting oxides Ohtomo, Akira (Tokyo Institute of Technology)
P1-42	Giant tuning of transport properties and orbital switching by epitaxial strain in Sr-doped LaCrO ₃ thin films Romain, Bachelet (Institut des Nanotechnologies de Lyon)
P1-43	Non-reciprocal magnon Hanle effect in antiferromagnetic α -Fe ₂ O ₃ thin films Geprägs, Stephan (Walther-Meißner-Institut, Garching)
P1-44	Dirac-like fermions anomalous magneto-transport in a spin-polarized oxide two-dimensional electron system Chen, Yu (CNR-SPIN, Naples)
P1-45	First principles study of NdNiO ₃ – SrTiO ₃ interfaces Lione, Alexander (Durham University)
P1-46	Electronic reconstruction and anomalous Hall effect in the LaAlO ₃ /SrRuO ₃ heterostructure Spring, Merit (Universität Würzburg)
P1-47	Rule of common anions on interfacial charge transfer in oxide heterostructures studied by in-situ photoemission spectroscopy Kumigashira, Hiroshi (Tohoku University)
P1-48	Large in-plane superconducting critical fields in highly confined LaAlO ₃ /KTaO ₃ (111) electron gas Filippozzi, Ulderico (Delft University of Technology)
P1-49	Ferroelectric two-dimensional electron gases based on strain engineered SrTiO ₃ thin films Tomar, Ruchi (Université Paris-Saclay)
P1-50	Towards magnonic spin current injection at oxide interface-based two-dimensional electron gases Chanda, Amit (Technical University of Denmark)
P1-51	Combined TOF-SIMS, STEM-EELS and magneto-transport study of the two-dimensional electron gas at the AlO _x /KTaO ₃ (110) interface Bruno, Flavio Y. (Univ. Complutense de Madrid)
P1-52	Giant Edelstein effect and non-linear transport in ferromagnetic Rashba 2D electron gases Lazrak, Gabriel (Université Paris-Saclay)

P1-53	Synthesis and valence control of unconventional Ruddlesden-Popper nickelates by integrated electrochemistry approaches Feng, Bohan (City University of Hong Kong)
P1-54	Valence band offset determination beyond Kraut's method: Modelling and experiment for polar discontinuity doped BaSnO ₃ /LaInO ₃ heterostructures Hoffmann, Georg (Paul-Drude-Institut für Festkörperelektronik, Berlin)
P1-55	Large nonlinear transverse conductivity and Berry curvature in KTaO ₃ based two-dimensional electron gas Trama, Mattia (CNR-SPIN, Salerno)
P1-56	Growth controlled transport properties at two-dimensional LaAlO ₃ /KTaO ₃ interfaces Masoudinia, Fereshteh (ICMAB-CSIC, Barcelona)
P1-57	2DHG or 2DEG? Spectroscopic insights into the substrate-assisted redox reaction of ultrathin Fe films on SrTiO ₃ Fuhrberg, Andreas (University of Konstanz)
P1-58	High-temperature superconducting oxide without copper Chow, Lin Er (National University of Singapore)
P1-59	Superconducting gap symmetry of nickel oxides Chow, Lin Er (National University of Singapore)
P1-60	Structural and electronic properties of infinite layer NdNiO ₂ and SmNiO ₂ Varbaro, Lucia (University of Geneva)
P1-61	Systematic study of high energy electron irradiation induced disorder in superconducting nickelates to probe the order parameter symmetry Ranna, Abhishek (Max Planck Institute for Chemical Physics of Solids, Dresden)
P1-62	Lack of hydrogen insertion in optimally synthesized infinite layer nickelates González, Martín (Stanford University)
P1-63	Towards an alternative approach to achieve superconducting infinite-layer nickelate thin films Iglesias Bernardo, Lucía (Université Paris-Saclay)
P1-64	Mechanism of reversible phase changes during hydrogenation of nickelate thin films Pons, Rebecca (Max Planck Institute for Solid State Research, Stuttgart)
P1-65	Synthesis and electronic structure of unconventional nickelate thin films on orthorhombic NdGaO ₃ substrates Dong, Zhengang (City University of Hong Kong)
P1-66	Real-time monitoring of topotactic reduction of nickelate from perovskite to infinite layer phase Prakash, Saurav (National University of Singapore)
P1-67	Synthesis and characterization of lanthanides nickelates thin films Misiak, Alex (Laboratoire CRISMAT, Caen)
P1-68	Probing the magnetism of infinite-layer nickelates with quantum magnetometry and X-ray dichroism Zhaoyang, Luo (National University of Singapore)