



WG1 Fundamental Understanding of oxides for electronics: Theory and Experiments

WG1-1	Beanland	Richard	Probing oxide crystal structure using 'digital' electron diffraction
WG1-2	Bute	Irina	Processes heat conduction and diffusion in the effects resistive switching memory in thin-film oxide structures
WG1-3	Chromik	Štefan	Preparation and study of MoO ₃ thin films for realization of MoS ₂ 2D systems
WG1-4	Do	Minh-Thanh	Instabilities in functional properties of epitaxial ferroelectric thin films
WG1-5	Eglitis	Roberts	Novel Carbon Nanotubes Rolled from 6,6,12-Graphyne: Double Dirac Points in 1D Material
WG1-6	Eglitis	Roberts	First principles calculations of PbTiO ₃ /SrTiO ₃ (001) heterostructures
WG1-7	Eglitis	Roberts	Theoretical prediction of the 5 Volt rechargeable Li ion battery using Li ₂ CoMn ₃ O ₈ as a cathode
WG1-8	Eglitis	Roberts	Ab initio calculations of BaTiO ₃ bulk and BaO-terminated (001) surface F-centers
WG1-9	Feteira	Antonio	Band gap engineering in KNbO ₃ -based ferroelectric solid solutions
WG1-10	Jonane	Inga	Temperature-dependent X-ray absorption spectroscopy study of CuMoO ₄
WG1-11	Kuzmin	Alexei	Temperature-dependent EXAFS study of cupric oxide
WG1-12	Mironova-Ulmane	Nina	Raman, FTIR and EPR Spectroscopy of Nano-Sized Zinc Peroxides
WG1-13	Mironova-Ulmane	Nina	Influence of 3d ions on radiation damage of MgAl ₂ O ₄
WG1-14	Moshopoulou	Evagelia	Synchrotron X-ray diffraction studies of NdMn ₂ O ₅
WG1-15	Narducci	Elisabetta	NFFA-Europe: the widest range of tools for research at the nanoscale
WG1-16	Niu	Wei	Tunable electron gas at the non-isostructural oxide interface of gamma-Al ₂ O ₃ /SrTiO ₃ by electric-double-layer gating
WG1-17	Patru	Roxana Elena	PVDF polymer composites with enhanced electrical properties
WG1-18	Pentjuss	Evalds	THERMAL DECOMPOSITION OF TRONA OF CARBONISED GLASS FIBER FABRICS
WG1-19	Popov	Anatoli	TSL and Cathodoluminescent studies of ScF ₃ single crystals at 80 – 300K
WG1-20	Skvortsova	Vera	Role of Defects in Functional Properties of Irradiated Simple and Complex Oxides Containing Transition Metal Ions
WG1-21	Talacko	Marcel	Channels modification using low energy electron irradiation for potential coherent vortex motion applications in YBaCuO thin films superconductors
WG1-22	Trinkler	Laima	Polarised Luminescence of LiGaO ₂ Crystal
WG1-23	Turcan	Ina	Towards novel functional properties by interface reaction in BaTiO ₃ -ferrite composites
WG1-24	Vavilova	Evgeniia	Spin dynamics in the frustrated system CoAl ₂ O ₄
WG1-25	Vilarinho	Rui	Unraveling the magnetoelectric enhancement of TbMnO ₃ by Fe ³⁺ doping
WG1-26	von Soosten	Merlin	Nanoscale devices and low temperature transport properties at the
WG1-27	Yulin	Gan	Tuning the ground state of polar LaAlO ₃ /SrTiO ₃ interface by an electron sink
WG1-28	Zhang	Yu	Tuning the Two-Dimensional Electron Gas at the TiO ₂ -based Surfaces/Interfaces by Ti-O-Ti Configurations
WG1-29	Zhukovskii	Yuri	Morphology and Properties of 1D Transition Metal Oxide Nanostructures: First Principles Simulations
WG1-30	Arslan	Halil	Indium tin oxide (ITO) coating on cylindrical surfaces: electrical and structural characterization

WG2 Oxides Growth and Fabrication Methods			
WG2-1	Cintins	Arturs	Formation of oxide nanoparticles in STARS ODS steel material manufacturing process
WG2-2	Gomes	Maria	Microstructural, optical and glucose sensing characteristics of pulsed laser deposited silver nanoparticles
WG2-3	Groenen	Rik	Recent advances in large area Pulsed Laser Deposition; epitaxial growth of complex oxides on silicon
WG2-4	Iljinas	Aleksandras	Electrical, optical and structural properties of ITO thin films deposited by reactive plasma assisted thermal evaporation
WG2-5	Jovanović	Sonja	Magnetic properties of Zn-doped cobalt ferrite nanoparticles: influence of magnetic structure
WG2-6	Knoks	Ainars	Transition Metal Oxide Heterostructures with Photo-Catalytic Activity
WG2-7	Marcinauskas	Liutauras	Influence of temperature on structure and properties of lead titanate and bismuth titanate films
WG2-8	Polyakov	Boris	A comparative study of heterostructured CuO/CuWO ₄ nanowires and thin films
WG2-9	Silva	José	Resistive switching in 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5(Ba _{0.7} Ca _{0.3})/ZnO heterostructures
WG2-10	Stein	Wolfgang	TwinBeam PLD - new possibilities for advanced functional films

WG3 Oxide-based applications and devices			
WG3-1	Alkoy	Sedat	MiniTonpilz : Device Application of Crystallographically Textured Piezoceramics
WG3-2	Baiutti	Federico	Towards full-ceramic microdevices for oxygen sensing applications integrated in silicon
WG3-3	Bajars	Gunars	Reduced Graphene Oxide - LiFePO ₄ Composite Electrodes for Li-Ion Batteries
WG3-4	Cohen-Azarzar	Dana	Band offsets at the amorphous Al ₂ O ₃ – SrTiO ₃ interface
WG3-5			
WG3-6	Ferreira	Nuno	Laser processing and its effect on thermoelectric materials based on CaMnO ₃
WG3-7	Kandidatova	Irina	Sb ³⁺ ion as Effective Sensitizer of Blue, Green and Red Emission of LaInO ₃ -based Oxide Phosphors doped with Pr ³⁺ , Ho ³⁺ ions
WG3-8	Kandidatova	Irina	Thermoelectric Properties of Layered Cobaltates and Perovskite Plumbates
WG3-9	Kandidatova	Irina	Properties of Layered Bismuth Titanate with Aurivillius Phase Structure Doped by La or Pr
WG3-10	Kaprans	Kaspars	Nanostructured Fe ₂ O ₃ , TiO ₂ and reduced graphene oxide with excellent electrochemical performance as anode material for lithium ion batteries
WG3-11	Kleperis	Janis	Historical Summary about Researches of TMO in Electrochromic and Photoelectrochromic devices at ISSP UL
WG3-12	Lok	Ramazan	The radiation response of the high dielectric-constant hafnium silicate
WG3-13	Macan	Jelena	Calcium manganite coatings for energy conversion
WG3-14	Mechin	Laurence	Anisotropic magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ thin films
WG3-15	Mensur Alkoy	Ebru	FABRICATION AND CHARACTERIZATION OF CRYSTALLOGRAPHICALLY TEXTURED TERNARY PIN-PMN-PT PIEZOELECTRIC CERAMICS FOR NOVEL PIEZOELECTRIC APPLICATIONS
WG3-16	Mousdis	George	Resistivity sensors of metal oxides with metal nanoparticles as catalysts
WG3-17	Senol	Kaya	Investigation of Gamma Irradiation Response on Interface State and Series Resistance of Y ₂ O ₃ MOS Capacitors for Future Radiation Sensors
WG3-18	Tavares	Carlos	Design of transparent ZnO:Ga,Al,Bi thin film electrodes with thermoelectric properties