## COST TO BE FALL MEETING 2017 11-13 September, 2017 Institute of Solid State Physics, University of Latvia (ISSP, UL) (Kengaraga street 8, Riga, Latvia) POSTER SESSION Tuesday, 12th September, 16:40 - 18:30

WG1 Fundamental Understanding of oxides for electronics: Theory and Experiments					
WG1-1	Beanland	Richard	Probing oxide crystal structure using 'digital' electron diffraction		
WG1-2	Chromik		Preparation and study of MoO3 thin films for realization of MoS2 2D systems		
WG1-3	Do	Minh-Thanh	Instabilities in functional properties of epitaxial ferroelectric thin films		
WG1-4	Eglitis	Roberts	Novel Carbon Nanotubes Rolled from 6,6,12-Graphyne: Double Dirac Points in 1D Material		
WG1-5	Eglitis	Roberts	First principles calculations of PbTiO3/SrTiO3 (001) heterostructures		
WG1-6	Eglitis	Roberts	Theoretical prediction of the 5 Volt rechargeable Li ion battery using Li2CoMn3O8 as a cathode		
WG1-7	Eglitis	Roberts	Ab initio calculations of BaTiO3 bulk and BaO-terminated (001) surface F-centers		
WG1-8	Feteira	Antonio	Band gap engineering in KNbO3-based ferroelectric solid solutions		
WG1-9	Jonane	Inga	Temperature-dependent X-ray absorption spectroscopy study of CuMoO4		
WG1-10	Keeble	David	Point Defect Characterization in Complex Oxides		
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		
	Mironova-Ulmane	Nina	Influence of 3d ions on radiation damage of MgAl2O4		
WG1-14	Moshopoulou	Evagelia	Synchrotron X-ray diffraction studies of NdMn2O5		
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-Al2O3/SrTiO3 by electric-double-layer		
WG1-10			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 ScF3 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		
WC1 21	Talacko	Marcel	Channels modification using low energy electron irradiation for potential coherent vortex motion applications in		
WG1-21			YBaCuO thin films superconductors		
WG1-22	Trinkler	Laima	Polarised Luminescence of LiGaO2 Crystal		
WG1-23	Turcan	Ina	Towards novel functional properties by interface reaction in BaTiO3-ferrite composites		
WG1-24	Vavilova	Evgeniia	Spin dynamics in the frustrated system CoAl2O4		
WG1-25	Vilarinho	Rui	Unraveling the magnetoelectric enhancement of TbMnO3 by Fe3+ 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 LaAlO3/SrTiO3 interface by an electron sink		
WG1-28	Zhang	Yu	Tuning the Two-Dimensional Electron Gas at the TiO2-based Surfaces/Interfaces by Ti-O-Ti Configurations		
WG1-29	Zhukovskii	Yuri	Morphology and Properties of 1D Transition Metal Oxide Nanostructures: First Principles Simulations		

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	IAleksandras	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/CuWO4 nanowires and thin films		
WG2-9	Silva	José	Resistive switching in 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)/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 - LiFePO4 Composite Electrodes for Li-Ion Batteries		
WG3-4	Cogal	Sadik	Electrocatalytic Activities of TiO2 and TiO2/Graphene Oxide Obtained by RF-Plasma Method towards Dopamine		
WG3-5	Cohen-Azarzar	Dana	Band offsets at the amorphous Al2O3 – SrTiO3 interface		
WG3-6	Eren	Esin	Electrochromic properties of WO3 hybrids and their applications in a flexible complementary device		
WG3-7	Ferreira	Nuno	Laser processing and its effect on thermoelectric materials based on CaMnO3		
WC2 0	Kandidatova	Irina	Sb3+ ion as Effective Sensitizer of Blue, Green and Red Emission of LaInO3-based Oxide Phosphors doped with		
WG3-8			Pr3+, Ho3+ ions		
WG3-9	Kandidatova	Irina	Thermoelectric Properties of Layered Cobaltates and Perovskite Plumbates		
WG3-10	Kandidatova	Irina	Properties of Layered Bismuth Titanate with Aurivillius Phase Structure Doped by La or Pr		
WG3-11	Kaprans	Kaspars	Nanostructured Fe2O3, TiO2 and reduced graphene oxide with excellent electrochemical performance as anode		
WG3-11			material for lithium ion batteries		
WG3-12	Kleperis	Janis	Historical Summary about Researches of TMO in Electrochromic and Photoelectrochromic devices at ISSP UL		
WG3-13	Lok	Ramazan	The radiation response of the high dielectric-constant hafnium silicate		
WG3-14	Macan	Jelena	Calcium manganite coatings for energy conversion		
WG3-15	Mechin	Laurence	Anisotropic magnetoresistance in La0.7Sr0.3MnO3 thin films		
WC2 16	Mensur Alkoy	Ebru	FABRICATION AND CHARACTERIZATION OF CRYSTALLOGRAPHICALLY TEXTURED TERNARY PIN-PMN-PT		
WG3-16			PIEZOELECTRIC CERAMICS FOR NOVEL PIEZOELECTRIC APPLICATIONS		
WG3-17	Mousdis	George	Resistivity sensors of metal oxides with metal nanoparticles as catalysts		
WG3-18	Senol	Кауа	Investigation of Gamma Irradiation Response on Interface State and Series Resistance of Y2O3 MOS Capacitors for		
			Future Radiation Sensors		
WG3-19	Tavares	Carlos	Design of transparent ZnO:Ga,Al,Bi thin film electrodes with thermoelectric properties		