

# International Workshop PTISO17 Program

<b>Monday, June 26, 2017</b>	
16.20-16.30	<b>Opening session</b> Organizing Committee Co-Chair Academician RAS A. S. Sigov (Moscow, Russia) Organizing Committee Co-Chair D. A. Tayurskii (Kazan, Russia) Organizing Committee Deputy Chair R.F. Mamin (Kazan, Russia)
16.30-18.00	<b>Session chairs: Sigov A.S., Mamin R.F.</b>  V.V. Shvartsman (Duisburg, Germany) [Invited] Nanoscopic Investigation of the Magnetoelectric Effect in Composite Multiferroic Ceramics  Irina Piyanzina (Kazan, Russia) [Oral] Electronic properties of a 2D electron liquid at the n-type interface between complex oxides  MirHasan Yu. Seyidov (Gebze, Turkey) Polarized Effects in La Doped TlInS <sub>2</sub> Ferroelectric – Semiconductor  Ali Aftabi (Teheran, Iran) [Oral] Magnetic anisotropies and optical tuning of ferromagnetic resonance properties in epitaxial Fe <sub>2</sub> B/BiFeO <sub>3</sub> heterostructure
18.00-19.50	<b>Poster session</b>
20.00-22.00	<b>Welcome party</b>
<b>Tuesday, June 27, 2017</b>	
09.00-13.00	<b>VKS 21 session</b>
13.00-14.30	<b>Lunch</b>
14.30-16.00	<b>VKS 21 session</b>
16.00-16.30	Coffee break
16.30-18.00	<b>Session chair: A. P. Pyatakov</b>  F. A. Mikailzade (Istanbul, Turkish) [Invited] Magnetoelectric effects in BaTiO <sub>3</sub> .  Vasili Sakhin (Kazan, Russia) [Oral] EPR of the Local Magnetic Moments in the undoped Bi <sub>2</sub> Te <sub>2</sub> Se.  Evgeny Vlasov (Ekaterinburg, Russia) [Oral] Study of domain formation in congruent lithium tantalate single crystals induced by ion beam

	irradiation.  V.V. Kabanov (Ljubljana, Slovenia) [Invited] Giant dielectric permittivity and magneto-capacitance effects in low doped manganites.
18.00-19.50	<b>Poster session</b>
<b>Wednesday, June 28, 2017</b>	
09.00-10.20	<b>VKS 21 session</b>
10.20-10.50	Coffee break
10.50-12.20	<b>Session chair: Pronin I.P.</b>  V. A. Golenishev-Kutuzov (Kazan, Russia) [Invited] Jahn-Teller transitions in doped lanthanum manganites.  Marina Popova (Troitsk, Russia) [Invited] Structural and Magnetic Phase Transitions in Multiferroic $RFe_3(BO_3)_4$ Compounds.  Elena Smirnova (St. Petersburg, Russia) [Oral] Elastic Properties of PMN Single Crystal at Cryogenic Temperatures.
12.30-13.30	<b>Lunch</b>
13.40-21.00	<b>Excursion</b>
<b>Thursday, June 29, 2017</b>	
09.00-13.00	<b>VKS 21 session</b>
12.50-14.20	<b>Lunch</b>
14.30-16.00	<b>VKS 21 session</b>
16.00-16.30	Coffee break
16.30-18.00	<b>Session chair: F. A. Mikailzade</b>  A. P. Pyatakov (Moscow, Russia) [Invited] Magnetic bubble blowing with electric field: how to eliminate the nucleation barrier.  <u>Yulia Samoshkina</u> , (Krasnoyarsk, Russia) [Oral] Inhomogeneity of the magnetic state in the $Pr_{1-x}Sr_xMnO_3/YSZ$ films studied by electron magnetic resonance.  Alexander Rassadin (Nizhni Novgorod, Russia) [Oral] Transient response of ferroelectric capacitor with negative capacitance to piecewise constant voltage pulses.  <b>Closing</b>

## Poster session (26 and 27 June)

1. T. Gavrilova, R. Eremina, I. Gilmudtinov, N. Lyadov, Y. Kabirov, V. Gavriyachenko, M. Belokobilsky. Magnetic properties of heterogeneous materials based on manganites.
2. A. S. Elshin, E. D. Mishina. Explosive laser-induced crystallization of ferroelectric microstructures.
3. I. Gimazov, Yu. Talanov, V. Sakhin, T. Adachi, T. Noji, Y. Koike. Microwave absorption study of superconducting fluctuations in  $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_{8+\delta}$  crystals
4. S. A. Gridnev, A. A. Kamynin, and M. V. Khakhlenkov. Magnetic properties of the two-phase composite system  $(1-x)\text{BiFeO}_3 - x\text{MgFeO}_4$ .
5. L. N. Korotkov, W.M. Al Mandalavi, N. A. Emelianov, J. A. R. Lopez. Influence of the thermal treatment on dielectric properties of BaTiO nanoparticles.
6. T. Patrusheva, O. Semenova, A. Slizkova, M. Railko. Ferroelectric films and heterostructures, obtained by extraction-pyrolytic technique.
7. D. P. Pavlov, R. F. Mamin. Multifunctional properties of ferroics and multiferroics in conditions of photoexcitation.
8. E. D. Politova, D. A. Strebkov, A. V. Mosunov, N. V. Golubko, G. M. Kaleva, N. V. Sadovskaya, S. Yu. Stefanovich. Ferroelectric phase transitions in nonstoichiometric sodium-bismuth titanate ceramics.
9. Yu. V. Shaldin. Crystallophysic models of ferroelectrics type ABO (A - Ba, Pb, Bi; B - Ti, Fe)
10. V. A. Shikhova, V. V. Fedorovyh, L. V. Gimadeeva, D. S. Chezganov, E. A. Neradovskaya, D. V. Pelegov, V. Ya. Shur, A. L. Kholkin, L. I. Ivleva, A. Sternberg. Visualization of Initial Nanodomain Structures in relaxor SBN Single Crystals and PLZT Ceramics.
11. B. Slautin, D. Alikin, K. Romanyuk, A. Kholkin. Low-frequency electrochemical strain microscopy in  $\text{LiMnO}_4$ .
12. N. I. Uskova, D. Yu. Podorozhkin, E. V. Charnaya, D. Yu. Nefedov, S. V. Baryshnikov. NMR studies of nanoconfined KDP and DKDP.
13. E. A. Strikina, A. N. Vtyurin, A. S. Krylov, A. S. Oreshonkov, A. V. Cherepakhin. Temperature dependence of Raman spectra and structure of  $\delta\text{-Bi}_3\text{BO}_6$  Crystal.
14. Y. Terehova, S. Ksenich, M. Malinkovich, Y. Parhomenko. Development of the scanner for probe microscopes on the basis of mono-crystalline bimorph of lithium niobate.
15. N. A. Tolstykh, A. I. Bocharov, S. A. Gridnev, I. Yu. Kobayakov. The dielectric properties of  $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}\text{Ni}_{0.5}\text{O}_{15}$  layered perovskite.