



**International Symposium "Spin Waves 2024",
Saratov, August 26-29
Preliminary program (10/07)**

color codes:	Opening/closing	Invited	Regular	Posters	
	Coffee-break				
	August 26	August 27	August 28	August 29	
		THz spin dynamics	Magnonics - I	Low-dimensional and frustrated - I	
09:30-09:45	Arrival/Registration	Elena Mishina <i>THz radiation from ferromagnet-heavy metal multilayers</i>	Alexander Khitun (on-line) <i>Magnonic combinatorial memory</i>	Mike Zhitomirsky (on-line) <i>Longitudinal magnons: new collective quantum excitations in large-S magnets.</i>	
09:45-10:00					
10.00-10.15		Leonid Shelukhin <i>Interface-enhanced picosecond THz pulses generation in spintronic emitters Co/Pt</i>	Anatolii Rinkevich <i>Electrodynamics of exchange-coupled metallic nanostructures in magnetic field</i>	Sergey Grigoriev <i>Spinwaves in DMI helimagnets via SANS</i>	
10:15-10:30		Evgeny Karashtin <i>Terahertz radiation by planar spintronic emitter grating</i>		M.A. Prosnikov <i>Spin dynamics and phonon zeeman effect in CoTiO3 revealed by Raman scattering in high magnetic field</i>	
10.30-10:45		Natalia Sherstyuk <i>Control of the order parameters in ferroelectrics using intense THz pulses</i>	Alexey Ustinov <i>Current-controlled magnon reservoir computing system</i>	V.N.Glazkov <i>Microwave study of the quasy-2D decorated square kagomé lattice magnets ACu7(TeO4)(SO4)5Cl (A=Na, K, Cs, Rb)</i>	
10:45-11:00		Alexander Mukhin <i>Electro active terahertz magnetic excitations in orthoferrites at low temperatures</i>	Dmitrii Romanenko <i>Coherent resonance in a narrowband noise-controlled chaotic spin-wave self-oscillator</i>	S.G.Ovchinnikov <i>Effect of spin fluctuations on the electronic structure of frustrated 2D strongly correlated systems</i>	
11.00-11.15		Evgeny Mashkovich <i>Nonlinear terahertz-driven dynamics of order parameters</i>	Maria Amelchenko <i>Micromagnetic modelling of a ferromagnetic meta-material with MAXMMG</i>	V.V. Klekovkina <i>Analysis of terahertz absorption spectra and inelastic neutron scattering of frustrated magnet Tb2Ti2O7</i>	
11.15-11.30			Maksim Bakhmetiev <i>Spin-waves probe of percolation threshold in exchange-biased system</i>		
11:30-11:45		Coffee-break	Coffee-break	Coffee-break	
11:45-12:00					
			Magnetophotonics at ultrafast and ultrascale scales	Magnonics - II	Low-dimensional and frustrated - II
12.00-12.15		Vladimir Belotelov <i>All-dielectric nanophotonics for optomagnetism</i>	Andrei Telegin <i>DMI modulation in HM/FM heterostructures with a nonmagnetic space layer</i>	Arseny Syromyatnikov <i>Antiferromagnets with random vacancies and substitutional spins on the triangular lattice</i>	
12:15-12:30			Andrey Azovtsev <i>Terahertz antiferromagnetic magnons excited by picosecond strain pulses in NiO</i>		
12.30-12.45			Pavel Usachev <i>Time-resolved spin dynamics in EuO probed by photo-induced Faraday effect</i>	Petr Gerevenkov <i>Laser-induced magnetoacoustic wavepackets formation controlled by relative polarizations of SAW and MSW components</i>	Alexander Smirnov <i>Crossover between pseudospin paramagnet and spin liquid in a chain antiferromagnet Cs2CoCl4</i>

12.45-13.00		Anatolii Fedianin <i>Laser-induced THz dynamics of spin correlations in cubic antiferromagnets</i>	Sergei Sharko <i>YIG/LNO structures for magnonics</i>	E.V. Dvoretzkaya <i>Nonlinearity of the magnetic susceptibility of a Co{2+} mono-ion magnet in the paramagnetic region above the magnetic ordering temperature</i>
13:00-13:15		Iaroslav Filatov <i>Sagittally propagating magnetoelastic waves excited by localized laser pulse</i>	Valentin Sakharov <i>Bragg resonances of anisotropic spin wave modes and wide band gap formation in subwavelength periodic magnonic structures</i>	L.E.Svistov <i>Magnetic properties of square lattice antiferromagnet with randomly populated magnetic and non-magnetic sites LiCu3O3</i>
13:15-13:30		Vladimir Skidanov <i>Exchange coupling between two ferromagnetic metallic nanolayers revealed by transverse Kerr effect</i>	Anastasiya Bir <i>Non-reciprocal parametric resonance in 1D and 2D bi-component magnonic crystals</i>	T.A.Soldatov <i>Spin dynamics of 2D magnet BaCdVO(PO4)2</i>
13.30-15:00				
	Topological magnetic structures	Antiferromagnets and exotic magnetic structures	Artificial and composite magnetic materials	Spintronics
15.00-15.15	Opening			
15:15-15:30	Valery Uzdin "Concrete" theory of topological magnetic solitons	Pavel Maksimov <i>Kitaev materials: the search for spin liquid</i>	Irina Bobkova <i>Composite magnetic excitations in superconductor/magnet heterostructures</i>	Konstantin Zvezdin <i>Spintronics – MRAM and beyond</i>
15.30-15:45		Yurii Bunkov <i>Magnon BEC from 1 mK to room temperature</i>	Igor Burmistrov <i>Localization of magnons at superconducting vortex in chiral magnet - superconductor heterostructure</i>	Roman Morgunov <i>Spin-orbit torque probed by Brillouin light scattering in NiFe/Ta/IrMn and NiFe/Cu/IrMn structures</i>
15:45-16:00	Maksim Sapozhnikov <i>Dzyaloshinsky-Moriya interaction and topological magnetic states in Co/Pt films</i>	Andrey Andrianov <i>Fermi surface, nesting, and magnetic phase transition: case of the hcp heavy rare-earth metals</i>	Nikita Lekomtsev <i>Numerical study of the proximity effect in a "superconductor-spiral magnet" bilayer</i>	Mikhail Bazrov <i>Detection of canted phase in ferrimagnetic structure through spin-orbit torque investigation</i>
16.00-16.15		Alexander Moskvina <i>Spin-spin interactions and spin structures in a Jahn-Teller magnets</i>	Vladimir Zhaketov <i>Helimagnetism and superconductivity in artificial layered crystals and Fibonacci structures</i>	Yurii Khivintsev <i>Spin pumping in magnonic crystal-Pt structure</i>
16.15-16.30	Irina Kalenteva <i>Various topological magnetic states in thin ferromagnetic Co/Pd films</i>	Alexander Ovsyannikov <i>Exchange interactions and phase transitions in rare-earth orthoferrites RFeO3 (R=Ho, Tb, Dy)</i>	Alexander Nosov <i>Thin films of yttrium orthoferrites for antiferromagnetic spintronics</i>	Igor Lyapilin <i>Influence of the gauge spin magnetic field on the thermal Hall effect</i>
16:30-16:45	Viktor Timofeev <i>Magnon edge modes of skyrmion crystal in nonuniform magnetic field</i>	Evgeny Vasinovich <i>Negative magnetization and spin-reorientations on weak ferrimagnets Y(Fe, Cr)O3</i>	Alexey Drovosekov <i>Special features of magnetic resonance in metal-insulator nanogranular composites</i>	Ekaterina Kunitsina <i>Exploring the interaction of single-molecule magnets with ferromagnetic microparticles: implications for molecular electronics</i>
16:45-17:00	Mikhail Otkrov (on-line) <i>Intrinsic Magnetic Topological Insulators of the MnBi2Te4 Family</i>	Igor Zobkalo <i>On the antisymmetric and symmetric interactions in multiferroic manganites</i>	Lyubov Azarova <i>The study of spin-wave dynamics in amorphous ferromagnets by the method of small-angle neutron scattering</i>	Evgeny Skorokhodov <i>Investigation of the gyrotropic mode in magnetic vortex system by magnetic resonance force microscopy</i>
17.00-17.15				Closing
17:15-17:30	Coffee-break	Coffee-break	Coffee-break	
17:30-17:45	Posters-I (17:30-19:30)	Posters-II (17:30-19:30)		
17:45-19:30				