

## Monday, 22.08.2022

Time	UNICS Concert Hall, Professor Nuzhin Street, 2				
09:00	<b>Entrance is open</b>				
10:00	<b>Opening ceremony</b>				
11:00	Pl.1 <b>Sergey STRELTSOV</b> Spin-orbit transition metal compounds				
12:00	Pl.10 <b>Sergey DEMISHEV</b> Spin fluctuation transitions in the spiral magnet MnSi				
13:00	<b>Lunch time</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section B</b>	<b>Kutuy Hall Section J</b>	<b>Board room Section D</b>	<b>Regina Hall Section E</b>
15:00	A.I1 <b>Vladimir USTINOV</b> Chiral helimagnet as a spin wind turbine and spin archimedean screw	B.I1 <b>Kev SALIKHOV</b> On the theory of spin nutation	J.I1 <b>Nikolay MUSHNIKOV</b> Field-induced magnetic phase transitions in highly anisotropic RFe <sub>3</sub> Al <sub>7</sub> ferromagnets	D.I1 <b>Maksim SAPOZHNIKOV</b> Zigzag domains in magnetic films with anisotropic of Dzyaloshinskii-Moriya interaction	E.O1 <b>Vladimir SKIDANOV</b> Proximity induced long-range transformation of transverse magneto-optical Kerr effect in bilayers of magnetic and normal transition metals
15:15					E.O2 <b>Svetlana EFREMOVA</b> Fabrication of one-dimensional magnetophotonic crystals containing metal organic decomposition-prepared bismuth-substituted yttrium iron garnet
15:30	A.O1 <b>Petr SKIRDKOV</b> Easy-cone state in spin-torque diode under combined action of magnetostatics and interfacial perpendicular magnetic anisotropy	B.O1 <b>Polina AGZAMOVA</b> Electronic structure and hyperfine interactions in Cr <sub>x</sub> NbSe <sub>2</sub> (x = 0.33, 0.5) by DFT studies	J.O1 <b>Alexander PIROGOV</b> Magnetic structures in (La <sub>1-x</sub> Tb <sub>x</sub> )Mn <sub>2</sub> Si <sub>2</sub>	D.O1 <b>Evgenii MAGADEEV</b> Vortex nanoobjects in perforated ferromagnetic films	E.O3 <b>Alexander GRANOVSKY</b> Hall effect in Heusler-type magnetic shape memory alloys

15:45	A.02 <b>Anton TARASOV</b> Ferromagnetic silicides and germanides epitaxial films and multilayered hybrid structures: syntheses, magnetic and transport properties	B.02 <b>Nikolay CHTCHELKATCHEV</b> Time-dependent exchange creates the time-frustrated state of matter	J.02 <b>Nadezhda KOSTYUCHENKO</b> Investigation of the ultra-high field-induced phase transition in the $(\text{Nd,Dy})_2\text{Fe}_{14}\text{B}$	D.02 <b>Vitalii KAPITAN</b> Simulation of magnetic skyrmions on flat lattices	E.04 <b>Elena GANSHINA</b> Magneto-optical spectroscopy of $(\text{CoFeB})_x(\text{LiNbO}_3)_{100-x}$ nanocomposites below the percolation threshold
16:00	A.03 <b>Dmitry TATARSKIY</b> Metastable states in exchange-coupled ferromagnetic disks	B.03 <b>Nikita SNEGIREV</b> Evolution of the magnetic properties of febo3 single crystals under gallium doping	J.03 <b>Kamil GAREEV</b> Superparamagnetism and hysteresis characteristics of composites $\text{Fe}_2\text{O}_4\text{-Fe}_{3-x}\text{Ti}_x\text{O}_4$ : Micromagnetic modeling	D.03 <b>Vitaly ORLOV</b> Thermally activated drift of magnetic vortices in a random field of defects	E.05 <b>Evgeny KARASHNIN</b> Switchable terahertz emission by magnetic tunnel junction
16:15	A.04 <b>Roman YUSUPOV</b> Ultrafast signatures of magnetic inhomogeneity in $\text{Pd}_{1-x}\text{Fe}_x$ ( $x \leq 0.08$ ) epitaxial thin films	B.04 <b>Nikolai KHOKHLOV</b> Spectrum evolution of magnetostatic waves excited via femtosecond laser pulses in anisotropic films	J.04 <b>Larisa PANINA</b> High frequency magnetoimpedance (MI) in amorphous microwires with different anisotropy near the Curie temperature	D.04 <b>Sergey PAMYATNYKH</b> Reversal of domain walls drift direction in harmonic magnetic field in iron garnet crystals	E.06 <b>Dmitry KUZMIN</b> Magnetic modulation of hyperbolic surface plasmon-polaritons in uniaxial metasurfaces
16:30	A.05 <b>Atul THAKUR</b> Co-Zn nanoferrites for high frequency applications: correlations between dielectric and magnetic properties	B.05 <b>Vladimir VLASOV</b> Theory and experiment of the ferromagnetic resonance in nanocomposite metal-dielectric films	J.05 <b>Olga DEMIDENKO</b> Electromagnetic properties of composite material based on ABC100.30 iron encapsulated by phosphorus oxide	D.05 <b>Tatiana MURZINA</b> Nonlinear optical studies of residual domain structure of epitaxial garnet films	E.07 <b>Alexey YURASOV</b> Influence of dimensional effects and size distribution of granules on optical and magneto-optical properties of nanostructures
16:45	A.06 <b>Vladimir GORNAKOV</b> Spacer thickness and temperature dependences of the interlayer exchange coupling in a Co/Pt/Co three-layer structure	B.06 <b>Sergei ZHURENKO</b> Magnetic structure of $\text{FeP}_{1-x}\text{As}_x$ ( $x = 0.33, 0.5$ ) as seen by NMR spectroscopy	J.06 <b>Evgenii GOLYGIN</b> Acid etching effects on thermal stability of $\Delta E$ -effect in Cr-doped iron-based amorphous ribbons	D.06 <b>Galiya ILYASOVA</b> Structure and properties of $\text{kr}$ -skyrmions in ferromagnetic films with spatially modulated parameters	E.08 <b>Leonid OVESHNIKOV</b> Magnetic and magneto-transport properties of MnSb polycrystals and MnSb-based composites
17:00	<b>Welcome party</b>				
19:00	<b>Excursion «The Night Kazan»</b>				

## Tuesday, 23.08.2022

Time	Tukay Hall				
09:30	Pl.3 <b>Sergei NIKITOV</b> PT-symmetry and exceptional points in spintronics, magnonics, and phononics				
10:30	Pl.4 <b>Sergei OVCHINNIKOV</b> Spin crossovers in magnetic materials				
11:30	<b>Coffee break</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section B</b>	<b>Kutuy Hall Section J</b>	<b>Board room Section D</b>	<b>Regina Hall Section E</b>
12:00	A.I2 <b>Igor BURMISTROV</b> Current noise geometrically generated by a driven magnet	B.I2 <b>Leonid SVISTOV</b> High-field magnetic structure of the triangular antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$	J.I2 <b>Aleksey VOLEGOV</b> Selective laser sintering of high-coercivity permanent magnets	D.I2 <b>Aleksandr DAVYDENKO</b> Influence of the roughness of Co layers on the creep of domain walls in Pd/Co/Pd epitaxial structures	E.O9 <b>Peter TANANAEV</b> Thermal decomposition of metal oleates for fabrication of Bi:YIG optical films
12:15					E.O10 <b>Victor PAVLOV</b> Photo-induced magneto-optical phenomena in epitaxial EuO films
12:30	A.O7 <b>Vladimir PRUDNIKOV</b> Slow dynamics phenomena in magnetic multilayer nanostructures	B.I3 <b>Yury BUNKOV</b> Two types of magnon Bose condensation	J.O7 <b>Elena DENISOVA</b> Magnetic properties of composition graded Co-Ni rods	D.O7 <b>Marina TEMIRYAZEVA</b> Magnetic force microscopy of skyrmion formation in thin CoPt films	E.O11 <b>Yuriy KNYAZEV</b> Effect of the interparticle interactions on superparamagnetic relaxation
12:45	A.O8 <b>Vladislav GUBANOV</b> Influence of the effect of local laser heating on spin wave propagation in a bilayer ferromagnetic film		J.O8 <b>Anna MAKURENKOVA</b> Influence of hydrogenation on the structural and magnetic properties of $\text{Tb}(\text{Fe,Co})_{11}\text{Ti}$	D.O8 <b>Irina KALENTYEVA</b> Formation of the skyrmions in CoPt and CoPd thin films after ion irradiation	N.O1 <b>Galina KURLYANDSKAYA</b> Co-based amorphous materials: Toward high frequency functional composites

13:00	A.O9 <b>Dmitry ZAGORSKIY</b> Layered nanowires from metals of the iron group: synthesis, structure, properties and possible applications	B.I4 <b>Konstantin ZVEZDIN</b> Spin-torque diode effect: From fundamental research to applications	J.O9 <b>Alexey LUKOYANOV</b> Magnetic properties and electronic structure of Gd(Co,Ru)Si ternary intermetallics	D.O9 <b>Alexander PAKHOMOV</b> Temperature resolved dependencies of Gilbert damping in heterostructures MnBi <sub>2</sub> Te <sub>4</sub> /NiFe	E.O12 <b>Elena GANSHINA</b> Magneto-optical spectroscopy of GaSb-MnSb composites
13:15	A.O10 <b>Anatoly YERMAKOV</b> Magnetism and EPR spectra of nanocrystalline and amorphous TiO <sub>2</sub> doped by Fe and Al	B.O7 <b>Oleg VYASELEV</b> Electron spin dynamics in a hexaboride superconductor YB <sub>6</sub> probed by <sup>89</sup> Y and <sup>11</sup> B NMR	J.O10 <b>Oleg AKSENOV</b> Investigation of the magnetic properties of amorphous iron-based microwires with a partially crystallized surface layer	D.O10 <b>Oleg UTESOV</b> Mean-field description of topological phases in hexagonal frustrated antiferromagnets	E.O13 <b>Sergej PRISCHEPA</b> Low temperature oscillations of magnetoresistance in antimony-doped silicon
13:30	A.O11 <b>Vladislav YURLOV</b> Classical and quantum effects of the magnetization dynamics induced by picosecond pulse of spin current	B.O8 <b>Liudmila GONCHAR</b> Spin wave spectra in pseudoperovskite manganites with superexchange interaction competition	O.O1 <b>Kirill SOBOLEV</b> High temperature performance evolution in (Cr <sub>1-x</sub> Mn <sub>x</sub> ) <sub>2</sub> AlC max-phase upon manganese doping	D.O11 <b>Vladimir ZVEREV</b> Pinning of vortices during the passage of turbulent magnetization reversal waves in antidot films with through and non-through holes	E.O14 <b>Vyacheslav MARCHENKOV</b> Kinetic and magnetic properties of Heusler alloys in the states of a half-metallic ferromagnet, spin gapless semiconductor and topological semimetal
13:45	<b>Lunch time</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section B</b>	<b>Kutuy Hall Section J + M</b>	<b>Board room Section K</b>	<b>Regina Hall Section I</b>
15:00	A.I3 <b>Andrey FRAERMAN</b> Tunneling Hall effect: Theory and experiment	B.I5 <b>Andrei GIPPIUS</b> Two-gap superconductivity in Mo <sub>5</sub> Ga <sub>20</sub> Sb intermetallic superconductor as evidenced by NMR and NQR spectroscopy	J.I3 <b>Dmitry BALAEV</b> Investigation of nanoparticles of materials with high magnetic anisotropy in strong pulsed magnetic fields	K.I1 <b>Alexander MUKHIN</b> Magnetoelectric effect in paramagnetic rare-earth langasites	I.I1 <b>Valery RYAZANOV</b> Multiterminal josephson structures with quasiparticle injection

15:30	A.I4 <b>Lenar TAGIROV</b> Controllable three-state magnetization switching in epitaxial Pd <sub>0.92</sub> Fe <sub>0.08</sub> /Ag/Pd <sub>0.96</sub> Fe <sub>0.04</sub> heterostructure	B.O9 <b>Alexander OVCHINNIKOV</b> Variety of spin resonance modes in the monoaxial chiral helimagnet Cr <sub>0.33</sub> NbS <sub>2</sub>	M.I1 <b>Nikolai PEROV</b> Multifunctional magnetorheological materials and their application prospects	K.O1 <b>Mikhail EREMIN</b> Magnetoelectric coupling in FeCr <sub>2</sub> O <sub>4</sub> , FeV <sub>2</sub> O <sub>4</sub> , DyCrO <sub>4</sub> and Fe <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub>	I.I2 <b>Alexander MEL'NIKOV</b> Magnetochiral effect in superconducting hybrid structures
15:45	A.O12 <b>Vasily BUCHELNIKOV</b> The influence of exchange correlation functional on the properties of Mn <sub>2</sub> V(Al,Si) Heusler alloys	B.O10 <b>Evgeny SKOROKHODOV</b> MRFM studies of ferromagnetic resonance in exchange-coupled magnetic vortices		K.O2 <b>Artem TIKHANOVSKII</b> Temperature behavior of magnetic and magnetoelectric properties in Fe langasites	
16:00	A.O13 <b>Mikhail LOGUNOV</b> Interface effects in heterogeneous integration of Bi <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> films	B.O11 <b>Ivan ABRAMOVSKY</b> The precession of the equilibrium position in the two-layer structure with the exchange interlayer interaction	M.O1 <b>Levan ICHKITIDZE</b> Efficiency of magnetic nanoparticles in cancer hyperthermia	K.O3 <b>Vsevolod IVANOV</b> Detection of electric polarization in terbium orthoferrite	I.O1 <b>Lev VINNIKOV</b> The magnetic flux structure EuFe <sub>2</sub> As <sub>2</sub> single crystals doped by rubidium
16:15	A.O14 <b>Igor LYAPILIN</b> The effect of magnon-magnon drag in magnetic insulator layers through of non magnetic metal layer	B.O12 <b>Igor YANILKIN</b> Spin-wave resonance in Pd-Fe alloy films with inhomogeneous distribution of magnetic impurities	M.O2 <b>Larisa PANINA</b> "Magnetic core-gold shell" nanostructures for photothermal therapy	K.O4 <b>Tatiana TARASENKO</b> The role of manganese substitution in changing the magnetic and dielectric properties of bulk magnetoelectrics BiFe <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (x = 0.05 and 0.15)	I.O2 <b>Sergey BAKURSKIY</b> Superconducting hybrid spin-valve with spin-orbit interaction
16:30	A.O15 <b>Georgy KICHIN</b> Non-resonant broadband spin-torque diode rectification of microwave current in a MTJ with in-plane magnetization of the free layer	H.O1 <b>Tatiana GAVRILOVA</b> Magnetic properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -Fe solid solutions	M.O3 <b>Kateryna LEVADA</b> Composites of gold supplemented with metal-doped CFO nanoparticles induce cytotoxic effect in Jurkat cell line	K.O5 <b>Ivan VOLCHKOV</b> Effect of doping impurities on the sensitivity of diamagnetic CdTe crystals to pulsed magnetic action	I.O3 <b>Alexander BOBKOV</b> Magnon-cooperons in magnet-superconductor hybrids

16:45	A.O16 <b>Roman ZAVORNITSYN</b> Spin valves for studying heli- coidal states in nanolayers of chiral Dy and Ho helimagnets	B.O13 <b>Olga BABANOVA</b> Anion and cation dynamics in nanoporous silica scaffolds: NMR studies of NaCB <sub>11</sub> H <sub>12</sub> in SBA-15	J.O11 <b>Anastasiia DRIAGINA</b> Synthesis and magnetic properties of Co, Ni and compounds of CoFe, NiFe nanowires	K.O6 <b>Artem KUZMENKO</b> Magnetic resonance in Ho- doped rare-earth langasite	I.O4 <b>Yurij TALANOV</b> Transport and micro- wave studies of magnetic fluctuation impact on the conductivity and supercon- ducting transition of iron chalcogenides
17:00	<b>Coffee break</b>				
18:00	<b>Poster session:</b>				
	<b>Section A.</b> Saydashev Hall				
	<b>Section B.</b> Kutuy Hall				
	<b>Section C.</b> Kutuy Hall				
	<b>Section G.</b> Kutuy Hall				
	<b>Section H.</b> Regina Hall				
	<b>Section K.</b> Regina Hall				

## Wednesday, 24.08.2022

Time	Tukay Hall
09:30	Pl.5 <b>Shuai DONG</b> Manipulation of magnetism via ferroelectric switching
10:30	Pl.2 <b>Sergey GRIGORIEV</b> Neutron scattering methods for studying magnetism
11:30	<b>Coffee break</b>
12:00	<b>Excursion «Town-island of Sviyazhsk»</b>
18:30	<b>Symposium dinner</b>

## Thursday, 25.08.2022

Time	Tukay Hall				
09:30	Pl.6 <b>Alexander PYATAKOV</b> The electric field-modulated surface energy of magnetic domain walls: Stripe domain structure "refraction" and magnetic bubble domain "blowing"				
10:30	Pl.7 <b>Yuriy RAIKHER</b> Ferromagnet particles in a polymer harness. Mesoscopic magnetomechanics and macroscopic behavior of magnetoactive elastomers				
11:30	<b>Coffee break</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section B</b>	<b>Kutuy Hall Section L</b>	<b>Board room Section C</b>	<b>Regina Hall Section I</b>
12:00	A.I5 <b>Mikhail MILYAEV</b> Functional low coercive GMR multilayers for magnetic sensors	B.I6 <b>Alexander SKRIPOV</b> Low-temperature rotational tunneling of BH <sub>4</sub> groups in Li <sub>2</sub> (bim)BH <sub>4</sub> : Nuclear magnetic resonance and neutron spin-echo studies	L.I1 <b>Elena KRAMARENKO</b> Tissue-mimetic magnetoactive elastomers based on bottlebrush polymer matrices	C.I1 <b>Alexander SMIRNOV</b> Interaction of spinons detected by microwave spectroscopy	I.I3 <b>Irina BOBKOVA</b> Proximity effect at superconductor/antiferromagnet interfaces
12:30	A.O17 <b>Natalia OSTROVSKAYA</b> Mathematical modelling of the SOT-MRAM element based on the spin-Hall effect	B.O14 <b>Vladimir ULANOV</b> Unusual dependences of EPR line shapes of Gd <sup>3+</sup> centers in narrow-band Pb <sub>1-x</sub> Gd <sub>x</sub> Te semiconductor on microwave power	L.O1 <b>Alla DOBROSERDOVA</b> Magnetic properties of magnetic elastomers filled with spherical and flake-like particles	C.O1 <b>Sergey APLESNIN</b> Ferromagnetism induced by oxygen vacancies in mullite Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub>	I.I4 <b>Anatolie SIDORENKO</b> Functional base elements for artificial neural network
12:45	A.O18 <b>Igor PERUNOV</b> Magnetic and Mössbauer studies of Fe <sub>x</sub> Co <sub>1-x</sub> nanowires	B.O15 <b>Vladimir SHAPOVALOV</b> Dynamic characteristics of a nanocomplex with iron in glass-ionomer cement powder	L.O2 <b>Danil PETROV</b> Magnetically induced structural transitions in liquid crystals doped with carbon nanotubes: Bridging from molecular-statistical to continuum theory	C.I2 <b>Evgeny KRAVTSOV</b> Polarized neutron reflectometry in the study of rare-earth nanostructures	

13:00	A.O19 <b>Pavel PRUDNIKOV</b> Monte Carlo simulation of magnetic properties of spin-valve nanostructures	B.O16 <b>Vladimir SHAPOROV</b> Magnetization dynamics simulation of the anisotropic ferromagnetic film excited by the nanosecond magnetic pulses	L.O3 <b>Andrey KUZNETSOV</b> Magnetic and structural equilibrium properties of a suspension of magnetic multicore nanoparticles	C.O2 <b>Olga VOLKOVA</b> Antiferromagnetic state in $(NO)M(NO_3)_3$ ( $M = Co, Ni$ )	I.O5 <b>Nataliya PUGACH</b> Spiral and ferro- magnets in the inverse proximity effect
13:15	A.O20 <b>Ansar SAFIN</b> Tunable receiver of sub-THz signals based on an antiferromagnet	B.O17 <b>Denis TSIKALOV</b> High-frequency magnetic susceptibility of thin magnetic films with 1D and 2D inhomogeneities	L.O4 <b>Yury DIKANSKY</b> Formation of ring-shaped deposits during the evaporation of drops of magnetic colloids in magnetic and electric fields	C.O3 <b>Dmitriy SAVELIEV</b> Magnetoelectric effect in flexible composite structures containing magnetoactive elastomer	I.O6 <b>Konstantin ARUTYUNOV</b> Proximity induced superconductivity in organic dielectric
13:30	<b>Lunch time</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section F</b>	<b>Kutuy Hall Section L</b>	<b>Board room Section C</b>	<b>Regina Hall Section I</b>
15:00	A.I6 <b>Yuri FILIMONOV</b> Effect of van Hove singularities on the efficiency of spin current generation by travelling spin waves in YIG/Pt structures	F.I1 <b>Mariya MATYUNINA</b> Structure and magnetic properties of Fe-Ga-Al alloys: ab initio study	L.I2 <b>Alexey IVANOV</b> Mathematical and computer modelling of the effects of interactions, structure formation, and polydispersity on the dynamic magnetic susceptibility and magnetic relaxation of ferrofluids	C.I3 <b>Alexander VASILIEV</b> Square kagome systems	I.I5 <b>Maxim KORSHUNOV</b> Superconductivity, magnetic interactions, and disorder in iron-based materials
15:30	A.O21 <b>Maria SHKANAKINA</b> Evolution of magnetic tunnel junction's modes for different directions of an external magnetic field	F.O1 <b>Dmitriy PLESHEV</b> Dynamics of magnetization oscillations and elastic displacement of the ferrite film under frequency-modulated excitation	L.O5 <b>Ekaterina ELFIMOVA</b> Dynamic response of an ensemble of interacting magnetic particles: The influence of ac magnetic field amplitude	C.O4 <b>Alexander KURBAKOV</b> Neutron diffraction studies of helical magnetic order in chiral $PbMnTeO_6$ with triangular lattice	I.O7 <b>Yaroslav TURKIN</b> Dynamical properties of superconductor/ferromagnetic-insulator hybrid structures under ferromagnetic resonance condition

15:45	A.O22 <b>Mohammad AL-ONAIZAN</b> Features of the Curie point behavior in nanogranulated structures of the Cd <sub>3</sub> As <sub>2</sub> -MnAs system	F.O2 <b>Irina TERESHINA</b> New materials for solid-state magnetic cooling	L.O6 <b>Stanislav KUNIKIN</b> Magnetic properties of fractioned ferrofluid	C.O5 <b>Svetlana SOFRONOVA</b> Magnetic properties of quasi-two-dimensional oxyborates (Ni,Cu,Mn) <sub>3</sub> BO <sub>5</sub> with different composition of Cu ions	I.O8 <b>Anton ZLOTNIKOV</b> Majorana and subgap vortex-bound states in spin-singlet chiral superconductors with noncollinear spin ordering
16:00	A.O23 <b>Leonid SHELUKHIN</b> Spin reorientation transition in CoFeB/MgO/CoFeB tunnel junction implemented by ultrafast laser-induced suppression of perpendicular magnetic anisotropy	C.O7 <b>Maksut MAKSUTOGLU</b> Strong and ultrastrong photon-magnon coupling of superconducting planar resonators with YIG crystals	L.O7 <b>Petr RYAPOLOV</b> Dynamics of multiphase magnetic fluid systems under various external influences	C.O6 <b>Leonid AFREMOV</b> Influence interface thickness to the exchange interaction constant between ferro and antiferromagnet	I.O9 <b>Andrey SCHEGOLEV</b> Superconducting bio-inspired neurons for spiking networks
16:15	A.O24 <b>Kirill TSIBERKIN</b> Electronic and magnetic properties of spherical carbon shells	F.O3 <b>Radel GIMAEV</b> Influence of chemical impurities on magnetothermal properties of rare-earth metals and permanent magnets	L.O8 <b>Igor POPERECHNY</b> Superparamagnetic effects in longitudinal dynamic magnetic susceptibility of uniaxial nanoparticles suspended in a liquid	C.O8 <b>Arseny SYROMYATNIKOV</b> New short-wavelength spin excitations in spin-1/2 antiferromagnets on the triangular lattice	I.O10 <b>Alexander MOSKVIN</b> Model of charge triplets for unconventional HTSC systems
16:30	A.O25 <b>Gennady OVSYANNIKOV</b> Spin transport in iridate/manganite interface	F.O4 <b>Vladimir SOKOLOVSKIY</b> The issues of phase stability and magnetocrystalline anisotropy in Fe <sub>2</sub> Ni-based Heusler alloys	L.O9 <b>Oleg STOLBOV</b> Modeling of the pseudo-plasticity effect induced by forced deformation of a magnetoactive elastomer under external field	C.O9 <b>Iliia ILIUSHIN</b> Influence of interfacial exchange interaction on the metastability of magnetic states of core-shell nanoparticles	I.O11 <b>Vsevolod RUZHICKIY</b> Peculiar properties of 0- $\pi$ transition in SF-F-FS variable thickness bridges
16:45	A.O26 <b>Lev FOMIN</b> Electric and magnetic properties of Co <sub>2</sub> FeAl and Co <sub>2</sub> FeSi Heusler alloy films grown on sapphire substrates	F.O5 <b>Zargan UMHAEVA</b> Features of thermal expansion in substitution alloys based on heavy rare-earth metals R <sub>1-x</sub> R <sup>II</sup> <sub>x</sub> Fe <sub>2</sub>	L.O10 <b>Grigory MELNIKOV</b> GMI detection of epoxy composites with various concentrations of iron oxide microparticles	C.O10 <b>Maria SHLYAKHTICH</b> Aging effects in critical behavior of Heisenberg anisotropic ultrathin films	H.O2 <b>Vasilii ZAKHVALINSKII</b> Destruction of the long-range charge ordering state via Fe doping in the perovskite manganite La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub>

17:00	<b>Coffee break</b>
18:00	<b>Poster session:</b>
	<b>Section D.</b> Kutuy Hall
	<b>Section E.</b> Saydashev Hall
	<b>Section F.</b> Saydashev Hall
	<b>Section I.</b> Regina Hall
	<b>Section J.</b> Regina Hall
	<b>Section L.</b> Kutuy Hall
	<b>Section M.</b> Kutuy Hall
	<b>Section N.</b> Regina Hall
	<b>Section O.</b> Regina Hall

## Friday, 26.08.2022

Time	Tukay Hall				
09:30	Pl.8 <b>Vladimir BELOTELOV</b> Ultrafast magnetophotonics				
10:30	Pl.9 <b>Yury KOKSHAROV</b> Magnetic nanoparticles in medicine				
11:30	<b>Coffee break</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section F</b>	<b>Kutuy Hall Section L + N</b>	<b>Board room Section H</b>	<b>Regina Hall Section H + O</b>
12:00	A.I7 <b>Zukhra GAREEVA</b> Influence of Dzyaloshinskii-Moriya interaction on hysteresis processes in magneto-electric nanoelement	F.O6 <b>Adler GAMZATOV</b> Nature of the frequency dependence of the magnetocaloric effect in $Ni_{50}Mn_{28}Ga_{22-x}(Cu,Zn)_x$ ( $x = 0, 1.5$ ) Alloys	L.O11 <b>Andrey ZUBAREV</b> Dynamic remagnetization of clustered ferrogels	H.I1 <b>Ivan LEONOV</b> Modelling of the electronic structure, magnetic state and lattice stability of strongly correlated electron systems	O.O2 <b>Oksana DRAGANYUK</b> The formation of ferromagnetic order in the Fe-doped MAX phase $Mn_2GaC$
12:15		F.O7 <b>Vladimir ZVEREV</b> Magnetic nanoradiosensitizers in neutron therapy for oncology	L.O12 <b>Arthur ZAKINYAN</b> Strain aggregation kinetics in a uniform stationary magnetic field		L.O13 <b>Yurii SUKHORUKOV</b> Strain-magneto-optics of magnetostrictive ferrite-spinels
12:30	A.O27 <b>Nikolay CHECHENIN</b> Moving spin-valve bridge configurations in inhomogeneous 3D magnetic field	F.O8 <b>Alexey TERESHCHENKO</b> Anomalous ultrasonic attenuation near the low-spin-high-spin crossover in $LuCo_3$	N.O2 <b>Aleksandr KAMZIN</b> Magnetic nanostructures of the core/shell type and Gd-ferrite nanocomposites for biomedicine: synthesis and characterizations	H.O3 <b>Natalia KAZAK</b> Electronic transitions in the $Co_3BO_5$	M.O4 <b>Oksana IVANOVA</b> Magnetic nanoparticles $Fe_3O_4$ , $Fe_3O_4@SiO_2$ , $Fe_3O_4@C$ , and $Fe_3O_4@C@C$ for the organic dyes adsorption
12:45	A.O28 <b>Rustam KHAIBULLIN</b> Features of ferromagnetism in palladium films implanted with cobalt and iron ions	F.O9 <b>Aleksandr KAMANTSEV</b> MnAs compounds under high pulsed magnetic fields up to 500 kOe	N.O3 <b>Sergey GUDOSHNIKOV</b> Magnetic non-destructive testing using a scanning GMI magnetometer		

13:00	A.O29 <b>Iliia DOLUDENKO</b> Investigation of the dependence of the magnetic properties of FeNi alloy nanowires on the aspect ratio	J.O12 <b>Nikolay PANKRATOV</b> Magnetocaloric effect in $R_2Fe_{10}Al_7$ compound	L.O14 <b>Vladimir ZVEREV</b> The influence of the shear flow and topology on the magnetorheological properties of clusters formed by Stockmayer supracolloidal magnetic polymers	H.O4 <b>Nikolai MELNIKOV</b> Critical phenomena in the dynamic spin-fluctuation theory of metallic magnetism	G.O1 <b>Evgeniya MOSHKINA</b> Concentrational transition in $Cu_2(Mn,Ga)BO_3$ solid solutions
13:15	A.O30 <b>Christina GRITSENKO</b> Magnetization reversal mechanisms of FeNi/FeMn bilayers depending on growth conditions	F.O10 <b>Aleksay GOLOVCHAN</b> Electronic structure and exchange interactions in $LaFe_{13}$ -based alloys	L.O15 <b>Alexandra VINOGRADOVA</b> Spherical magnetizable body in a drop of ferrofluid in a uniform horizontal magnetic field	H.O5 <b>Kirill VASIN</b> Spin induced electric polarization in $Fe_2Mo_3O_8$	H.O6 <b>Zakir SEIDOV</b> Magnetic properties of $La_{0.81}Sr_{0.19}Mn_{0.9}Fe_{0.1-x}Zn_xO_3$ ( $x = 0, 0.05$ )
13:30	<b>Lunch time</b>				
	<b>Tukay Hall Section A</b>	<b>Saydashev Hall Section F</b>	<b>Kütuy Hall Section G</b>	<b>Board room Section H</b>	<b>Regina Hall Section K</b>
15:00	A.I8 <b>Aleksander SADOVNIKOV</b> Magnonic transport in 3D multilayer structures with broken translation symmetry	F.O11 <b>Leonid KOROTKOV</b> Weak ferromagnetism in submicron barium titanate	G.O2 <b>Lyudmila DOBYSHEVA</b> Magnetic behavior of lanthanides (La–Tb) in linear-chain coordination polymers	H.I2 <b>Elena MOSTOVSHCHIKOVA</b> Charge subsystem response to phase transitions in double manganites $LnBaMn_2O_6$	K.I2 <b>Valeria RODIONOVA</b> Effect of $BaTiO_3$ and $Zn_{0.25}Co_{0.75}Fe_2O_4$ fillers on mechanical and magneto-electric properties of PVDF-TrFE-based composites
15:15		F.O12 <b>Akhmed ALIEV</b> Magnetocaloric properties of FeRh alloy under magnetic field and thermal cycling	G.O3 <b>Ildus SHARAFULLIN</b> Thermally stable skyrmion crystal in triangular frustrated antiferromagnetic/ferroelectric bilayer		

15:30	A.O31 <b>Vladimir MANTSEVICH</b> Ultrafast spin polarization switching in a hybrid structure quantum well – spin-split bound state	F.O13 <b>Vladimir GUDKOV</b> Magnetoelasticity of the Jahn-Teller sub-system in the chromium-doped II-IV crystals	G.O4 <b>Evgeniia VAVILOVA</b> Magnetic phase diagram and possible Kitaev-like behavior of honeycomb-lattice antimonate $\text{Na}_3\text{Co}_2\text{SbO}_6$	H.O7 <b>Artem SBOYCHAKOV</b> Many-body effects in magic angle twisted bilayer graphene	K.I3 <b>Evgeny MASHKOVICH</b> Terahertz induced dynamics of antiferromagnets
15:45	A.O32 <b>Gleb DEMIN</b> The quantum mechanical calculation of the thermal-driven spin transfer in the MTJ based on a crystalline MgO tunnel spacer	F.O14 <b>Vasilii ASTAKHOV</b> Magnetolectric effect in laminated composites $\text{CoFe}_2\text{O}_4/\text{PZT}$ . Dependence on thickness of magnetostriction phase	G.O5 <b>Sergey MARTYNOV</b> Orbital ordering and frustrated anisotropy in $\text{PbMnBO}_4$	H.O8 <b>Vadim GALAKHOV</b> Electronic states of Co ions in $\text{LnBaCo}_2\text{O}_{5+\delta}$ cobaltites (Ln = rare earth, $0 \leq \delta \leq 1$ ): Soft X-ray absorption studies	
16:00	A.O33 <b>Andrey GRACHEV</b> Heat-induced Fano resonance tunability in magnonic microstructures	F.O15 <b>Andrei GUBKIN</b> Magnetic glassiness and crystal field effects on thermal and electrical properties of $\text{Er}_3\text{Pd}_2$ -type compounds	G.O6 <b>Vasiliy GLAZKOV</b> Exact determination of the single ion and pair interactions parameters in the magnet with competing dipolar and exchange interactions $\text{LiGdF}_4$	H.O9 <b>Elena VORONINA</b> Synthesis aspects and magnetic microstructure of ternary ordered Fe-Al-M (M = Ga, B, Sn, V, Mn) alloys	K.O7 <b>Abdulkarim AMIROV</b> Polymer magnetoelectric composites based on PVDF
16:15	A.O34 <b>Aleksei KOZLOV</b> Magnetic anisotropy and Dzyaloshinskii-Moriya interaction in epitaxial Pd/Co/CoO films	F.O16 <b>Aleksei KOMLEV</b> The ferromagnetic phase growth mechanisms in FeRh alloys	G.O7 <b>Dmitrii KAPITAN</b> Research by deep neural networks of frustrated spin glass systems	H.O10 <b>Andrey MIKHEYENKOV</b> Entanglement and the external fields in the Kugel-Khomskii model	K.O8 <b>Mikhail SEMKIN</b> Néel transition temperatures as a function of lattice parameter for lithium metal orthophosphates

16:30	A.O35 <b>Anna DUVAKINA</b> Investigation of magnetic tunnel junctions under the simultaneous action of direct and alternating currents, both in resonant and broad-band modes	F.O17 <b>Niyaz NURGAZIZOV</b> Modeling the domain structure of square ferromagnet microparticles under uniaxial mechanical stress	G.O8 <b>Alena KOROL</b> A neural network approach to the study of complex frustrated systems	H.O11 <b>Petr IGOSHEV</b> On the general conditions for itinerant ferromagnetism for non-degenerate hubbard model on a three-dimensional lattice	K.O9 <b>Valery VALEYEV</b> Effective mass anisotropy and spin-orbit coupling in 2D electron gas of GaN/AlN high-electron-mobility transistor heterostructures
16:45	A.O36 <b>Natalia GERVITS</b> Influence of the nanocrystallite size on spatial spin-modulated structure of BiFeO <sub>3</sub>	F.O18 <b>Yuliya KALETINA</b> Influence of deformation-thermal impact on the structure and properties of ferromagnetic alloys	G.O9 <b>Rushana EREMINA</b> Magnetic properties of perovskite Sr <sub>2</sub> MnTiO <sub>6</sub>	H.O12 <b>Kirill KRASIKOV</b> Anisotropic magnetoresistance in RB <sub>12</sub> (R = Ho, Er, Tm) antiferromagnets with dynamic charge stripes	
17:00	<b>Coffee break</b>				
18:00	<b>Closing ceremony</b>				