

Sunday, 08.09.2019. "Ural" Center

<i>Time</i>	<i>Mail Hall</i>
12:00	Registration
16:00	Opening Ceremony
16:30	Sang-Wook CHEONG. Chirality, Helicity, Spirality and Moire Patterns in Intercalated Transition Metal Dichalcogenides (<i>Plenary talk</i>)
17:10	Gen TATARA. Spintronics theory without spin current (Plenary talk)
18:00	Welcome party

Monday, 09.09.2019

Time	Hall A				
9:30	Oleg TRETIAKOV. Spintronics with (Anti)Skyrmions and Bimerons (<i>Plenary talk</i>)				
10:10	Alexey. KIMEL. Anomalies of spin dynamics in ferrimagnets (<i>Plenary talk</i>)				
10:50	Coffee break				
	<i>Hall A</i> Spintronics and magnetic nanostructures	<i>Hall B</i> Magnetic soft matter	<i>Hall C</i> Soft and hard magnetic materials	<i>Hall D</i> Magnetism of strongly correlated electron systems	
11:20	V. USTINOV (invited) Electron spin currents and spin-dependent galvanomagnetic phenomena in metals	A. Martins Figueiredo Neto (invited) Nonlinear optical properties of nanoparticles magnetic colloids	RAGHAVAN. GOPALAN (invited) Microstructure-microchemistry-magnetic properties in derivative Sm-Co magnets	S. OVCHINNIKOV (invited) Exchange interaction between excited states of magnetic ions	
11:50	G. SEIBOLD Theory of spin-charge conversion at oxide interfaces: The inverse spin-galvanic effect	J. CIMURS (invited) Magnetic particle rotation driven non-equilibrium systems	D. BALAEV (invited) Unusual magnetic behavior of polymorph iron oxide ϵ -Fe ₂ O ₃ nanoparticles: magnetic phase diagram and surface effects	K. KUGEL (invited) Half-metallic states in doped density-wave insulators	
12:05	D. KHOLIN Influence of interlayer exchange coupling on hysteresis loops of Fe/Cr/Gd superlattices				
12:20	M. MILYAEV Functional GMR multilayers based on ternary ferromagnetic alloys CoFeNi	O. STOLBOV Instability of a chain of magnetically soft particles embedded in elastomer under a compressing load	M. FARLE (invited) Shell Ferromagnetism: Materials with quasi magnetic monopole characteristics	P. IGOSHEV Metal-insulator transition in the antiferromagnetic state of the Hubbard model: Analytical theory	
12:35	M. DOROKHIN Structures of semiconductor spintronics, formed by the combined method of MOCVD epitaxy and pulsed laser deposition	A. SAFRONOV Magnetostriction in ferrogels with embedded strontium hexaferrite particles		D. GORBUNOV Magnetoelastic coupling across the field-induced transition of uranium mononitride	
12:50	Lunch time				
14:30	J.C.A. HUANG (invited) Spin orbit torque (SOT) magnetization switching based on topological insulator	O. SANDRE (invited) Superparamagnetic iron oxide nanoparticles embedded in anisotropic polyion complex structures	A. ANDREEV (invited) Influence of Co substitution in Fe sublattice on magnetism of RFe ₅ Al ₇ intermetallics	O. SUSHKOV (invited) Hourglass magnetic dispersion and nature of the spin liquid phase in cuprates	
15:00	YANG HYUNSOO (invited) Spin-Orbit Technologies: From Magnetic Memory to Terahertz Generation	A. ZUBAREV (invited) Theoretical approach to the Magnetic Hyperthermia	N. PEROV (invited) Amorphous soft magnetic metallic alloys. Advantages and perspectives	A. SBOYCHAKOV (invited) Many-body effects and magnetism in twisted bilayer grapheme	

15:30	O. KOPLAK Nanoengineering of the surface of GdFeCo/IrMn structures by ultra short laser impulses	D. ROMEIS (invited) Microscopic approaches to mechanical response of magneto-sensitive elastomers	A. VETCHER Magnetic properties of special low-frequency soft magnetic composite material	A. KASHYAP (invited) Understanding magnetism in Mn-based systems	
15:45	V. POPOV NMR studies of interlayer boundaries in Co/Cu superlattices		E. GOLYGIN Influence of temperature on the ΔE -effect of amorphous Fe-based metal ribbons after both thermomagnetic and acid treatment		
16:00	N. BEBENIN Spin polarization of electric current in magnetic superlattice	P. CAMP (invited) Dynamic magnetic properties of ferrofluids	N. KAZANTSEVA Magnetic properties and structure of products from steel 1.4540 manufactured by 3D printing	S. DEMISHEV Localized magnetic moments, magnetic transition and time reversal symmetry breaking in topological Kondo insulator SmB_6 .	
16:15	A. TARASOV Transport properties of spintronic devices fabricated from ferromagnet/silicon hybrid structures		V. POPOV Experimental study of NdFeB-based permanent magnets additively manufactured by electron beam melting		N. KAZAK Electronic and magnetic states of the Co and Fe in ludwigite system $Co_{3-x}Fe_xBO_5$
16:30	I. LYAPILIN Mechanism of Electron Spin Relaxation in Spiral Magnetic Structures	M. BALASOIU Correlation effects in silicone-rubber magnetic elastomers investigated by small-angle neutron scattering method	A. VOLEGOV Processes of Magnetization Reversal in Nanocrystalline Hard Magnetic Materials	A. BELIK Unusual Magnetic Properties and Spin Structures in Quadruple and Simple Exotic Perovskites	
16.45	V. MARCHENKOV Peculiarities of electronic transport and magnetic state in half-metallic and spin gapless semiconducting Heusler alloys	M. TIMKO Dielectric and rheological properties of an insulating magnetic fluid containing iron oxide nanoparticles	I. MINKOVA Phase composition and morphology of the powders synthesized from boron nitride and iron by mechanical alloying	A. KATANIN Quantum critical behavior of correlated fermionic systems beyond Hertz-Moriya-Millis theory	
17:00	V. GOLYASHOV Spin polarized states and spin dependent effects in PbSnTe topological crystalline insulator	A. ZAKINYAN Rheology of ferrofluid emulsions: effect of droplets deformation	G. KURLYANDSKAYA Magnetic materials for thin film based magnetoimpedance biosensing	A. LUKOYANOV Electronic structure and magnetic phase diagram of Gd_5Sb_3	
17.15	Coffee break				
17:30	Poster session:				
	<i>Spintronics and magnetic nanostructures</i>				
	<i>Magnetic soft matter</i>				
	<i>Soft and hard magnetic materials</i>				
	<i>Magnetism of strongly correlated electron systems</i>				

Tuesday, 10.09.2019

Time	Hall A <i>Spintronics and magnetic nanostructures</i>	Hall B <i>Magnetism in biology and medicine</i>	Hall C <i>Spin dynamics and magnetic resonances</i>	Hall D <i>Magnetism of strongly correlated electron systems</i>	Hall E
9:30	A. CHUMAKOV (invited) Towards nano-scale magnetism	F. BLYAKHMAN (invited) Magnetic nanoparticles as a strong contributor to the ferrogel biocompatibility	D. GRUNDLER (invited) Artificial crystals and quasicrystals for nanomagnonics based on ferro- and ferrimagnetic nanostructures	S. NIKITOV (invited) Quantum fluctuations in magnetic nanostructures	
10:00	A. SVALOV Thickness dependence of magnetic properties of Tb-Co/Ti and Tb-Co/Si multilayers	KARSTEN KUEPPER (invited) Optical, electronic and magnetic properties of highly Mn-doped β -NaGdF ₄ and β -NaEu ₄ nanoparticles with narrow size distribution	D. SZALLER (invited) Switchable one-way transparency via coupled magnetic and electric resonances	V. IRKHIN (invited) Giant density of states van Hove singularities and magnetism in cubic lattices	
10:15	A. USEINOV Direct tunneling and related TMR anomalies in magnetic tunnel junctions with embedded nanoparticles				
10:30	R. LOPEZ ANTON Structural and magnetic properties of Py/Ti multilayers	S. LYASCHENKO Synthesis and properties of Fe-Si magnetic nanoparticles for biomedical applications	L. TAGIROV Interlayer coupling in ultrathin epitaxial CoO/Co/Ag/Fe/MgO heterostructures	E. KOKORINA GdFe ₂ laves phase under pressure: <i>ab</i> initio calculations	
10:45	T. MIYANAGA Local magnetic study for cluster-layered Fe/Cr nanostructures	A. MININ Iron-core carbon-shell nanoparticles for biology and medicine	V. GLAZKOV Magnetic resonance in a quasy-2D antiferromagnet Ba ₂ MnGe ₂ O ₇	A. VYAZOVSKAYA The origin and spin splitting of two-dimensional electronic states at surfaces of the GdRh ₂ Si ₂ (001)	
11:00	Coffee break				
	Hall A <i>Magnetoelastic, magnetocaloric and shape memory effects</i>	Hall B <i>Magnetism in biology and medicine</i>	Hall C <i>Spin dynamics and magnetic resonances</i>	Hall D <i>Magnetism of strongly correlated electron systems</i>	Hall E <i>Magnetic soft matter</i>
11:30	J. NEUGEBAUER (invited) <i>ab</i> initio description of coupling phenomena between magnetic and structural degrees of freedom	G. MELNIKOV Designing magnetic matrices for cell technology supporting devices	K. MIKHALEV NMR study of magnetic nanoparticles Ni@C	P. BOURGES (invited) Magnetism in spin-orbit coupled iridates	S. KANTOROVICH (invited) Magnetic microgels
11:45		D. BUKHVALOV Electron correlations in Coordination metal complexes prospective for biomedical materials	L. LUTSEV Spin waves in nanosized YIG films: towards low relaxation and desirable magnetic profile		
12:00	A. ALIEV Magnetocaloric effect in weak magnetic fields: Gd and Ni-Mn-In alloy	A. KAMZIN Core/shell magnetic nanoparticles for biomedical applications: synthesis and Mössbauer studies	N. POLZIKOVA YIG thickness influence on resonant magnetoelastic spin pumping	V. BUCHELNIKOV (invited) Correlation effect on the ground state properties of Heusler alloys	P. KOPCANSKY (invited) Magnetically anisotropic systems based on liquid crystals and magnetic fluids

12:15	A. GAMZATOV Dynamic magnetocaloric effect in the $Ni_{50}Mn_{37-x}Al_xSn_{13}$ ($x=2, 4, 6, 8$) ribbon samples		D. TSIKALOV Spin-wave resonance in gradient ferromagnets with a parabolic barrier of magnetic parameters		
12:30	E. DILMIEVA Magnetic induced martensitic transition in Heusler alloys in high magnetic fields		M. BORICH Degenerated nuclear magnetostatic modes in ferromagnets	N. ORLOVA A new quantum model of the spin sublattices: problems and prospects	S. ODENBACH (invited) Microstructure analysis in magnetorheological elastomers – a path towards a scale-bridging understanding of magnetic hybrid materials
12:45	I. TERESHINA Investigation of the combined effect of interstitial and substitutional atoms on the magnetic properties of the 4f-3d intermetallics		A. SEMENO Antiferromagnetic resonance in GdB6	A. MIKHEYENKOV Ultracold atoms with additional degree of freedom. Spin-orbital view	
13:00	Lunch time				
	<i>Hall A</i> Magnetoelastic, magnetocaloric and shape memory effects	<i>Hall B</i> Round table “Modern equipments and methods”	<i>Hall C</i> Spin dynamics and magnetic resonances	<i>Hall D</i> Magnetism of strongly correlated electron systems	<i>Hall E</i> Magnetic soft matter
15:00	Y. KOSHKID'KO (invited) Magnetocaloric effect of ferromagnetic Heusler alloys in high magnetic fields	A. ERMAKOV (invited) European XFEL: the study of matter deep inside. Metallurgical lab as an instrument for quality control and SRF material investigation	Yu. BUNKOV (invited) Spin superfluidity at room temperature	D. KHOMSKII (invited) “Molecules” in solids against magnetism	Yu. RAIKHER (invited) Magnetization of elastically trapped particles consisting of Stoner-Wohlfarth grains
15:30	I. NEKRASOV Magnetocaloric effect in metallic strongly correlated systems with van Hove singularities	N. KISELEV (invited) Off-axis electron holography for quantitative measurements of magnetic textures	N. OSTROVSKAYA Qualitative theory of dynamical systems for control of magnetic memory elements	E. BAUER (invited) Weak ferromagnetism of stoichiometric and off-stoichiometric Fe_2VAl based full Heusler systems	J. BALACHANDRAN (invited) Shape and Size-dependent Magnetic Behavior of Magnetite Nanoparticles in Interaction-free System
15:45	SRIKANTI KAVITA Magnetocaloric effect and huge adiabatic temperature change in $Mn_{1.15}Fe_{0.85}P_{0.65}Si_{0.13}Ge_{0.2}B_{0.02}$ alloy prepared by spark plasma sintering		A. SADOVNIKOV Lateral and vertical spin-wave transport in magnonic networks		
16:00	A. AMIROV Multicaloric effects in magnetoelectric composites	Yu. BOGUSLAVSKY. (CRYOGENIC) Magnetic fields, low temperatures and physical measurements: an overview of methods used in cryogenic equipment.	N. KHOKHLOV Optically-excited magnetostatic waves in a thin epitaxial galfenol film driven by ultrafast anisotropy changes	TANUSRI SAHA-DASGUPTA (invited) Interplay of alternation and further neighbor interaction in $S=1/2$ spin chains: A case study of $Cs_2CuAl_4O_8$	A. KUZNETSOV Zero-field and field-induced interactions between multicore magnetic nanoparticles
16:15	M. VASUNDHARA Fe_3Al revisited; Enhanced magnetocaloric effect and critical magnetic behavior		A. DROVOSEKOV Ferromagnetic resonance studies of Fe/Pd/Gd/Pd ferrimagnetic superlattices		S. GOH A density functional approach to ferrogels: magnetostrictions and elastic constants

16:30	N. MELNIKOV Effect of lattice vibrations on magnetic properties of metals at finite temperatures	A. OMIROV (CRYOTRAID) Scientific equipment for research laboratories	O. BABANOVA NMR study of atomic motion in NaB ₁₁ H ₁₄ and Na-7-CB ₁₀ H ₁₃	S. BRENER Effective Heisenberg Model and Exchange Interaction for Strongly Correlated Systems	
16:45	S. SHEVYRTALOV Internal stresses influence on functional properties of Ni-Mn-Ga Heusler-type microwires		Yu. FILIMONOV Spin waves in YIG-based networks: logic and signal processing	V. ZVEREV The magnetic moments of Rh in FeRh alloys	
17:00				A. ULYANOV Self-doped Pr _{1-x} MnO _{3+δ} manganites. XANES and EXAFS study	
17:15	Coffee break				
17:30	Poster sessions				
	<i>Spin dynamics and magnetic resonances</i>				
	<i>Magnetoelastic, magnetocaloric and shape memory effects</i>				
	<i>Magnetism in biology and medicine</i>				
	<i>Magnetic semiconductors, multiferroics, topological insulators</i>				
	<i>Magnetic non-destructive testing</i>				

Wednesday, 11.09.2019

<i>Time</i>	<i>Hall A</i>		
9:30	Andrei ROGALEV. X-ray magnetic circular dichroism: recent advances (<i>Plenary talk</i>)		
10:10	Theo RASING. All Optical Magnetic Switching and Brain-inspired Concepts for low energy Information Processing (<i>Plenary talk</i>)		
10:50	Coffee break		
	<i>Hall A</i> Low dimensional magnetism	<i>Hall B</i> Frustrated and disordered magnetism	<i>Hall C</i> Magnetism and superconductivity
11:20	R. KREMER (invited) Frustrated J1 – J2 quantum spin chains	F. KASSAN-OGLY (invited) Phase transitions and critical phenomena in frustrated systems	M. KORSHUNOV (invited) Magnetic interactions, superconductivity, and spin-resonance peak in iron-based materials
11:50	O. VOLKOVA (invited) Magnetoelectric effects in low dimensional systems	L. SVISTOV (invited) Search for nematic phases in frustrated magnets	A. SLOBODCHIKOV Influence of orthorhombic deformations in CuO ₂ plane on the electronic structure of high-T _c cuprate family
12:05			Yu. PANOV Critical temperatures of a model cuprate
12:20	E. KOMLEVA competition between the spin-orbit coupling and Molecular orbitals in Ba ₄ NbX ₃ O ₁₂ (X=Mn, Rh, Ir)	J. WOSNITZA (invited) Frustrated and low-dimensional magnetic materials in high magnetic fields	A. KAMASHEV Superconducting spin-valve effect in a heterostructures containing the Heusler alloy as ferromagnetic layers
12:35	A. KURBAKOV Neutron scattering studies of the low-dimensional magnetism in the honeycomb layered Na ₂ Ni ₂ TeO ₆ compound		D. GOKHFELD Magnetization of Y _{1-x} Ho _x Ba ₂ Cu ₃ O _{7-δ} superconductors
12:50	Lunch time		
15:00	Excursions		
19:00	Dinner		

Thursday, 12.09.2019

<i>Time</i>	<i>Hall A</i>				
9:30	Ramamoorthy RAMESH. Electric field control of magnetism for ultralow power electronics (<i>Plenary talk</i>)				
10:10	Break				
	<i>Hall A</i> Low dimensional magnetism	<i>Hall B</i> Magnetotransport, magnetooptics and magnetophotonics	<i>Hall C</i> Magnetism and superconductivity	<i>Hall D</i> Domain walls, vortices and skyrmions	
10:15	M. BRADEN (invited) Magnetism in the layered ruthenates $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$	R. PISAREV (invited) Unconventional optical and magneto-optical phenomena in the magnetoelectric antiferromagnet CuB_2O_4	A. MELNIKOV (invited) Electromagnetic proximity effect in planar superconductor-ferromagnet structures	A. SAMARDAK (invited) Skyrmions and skyrmion lattice in ultrathin "heavy metal/ferromagnet" films	
10:45	V. KATAEV (invited) Unusual magnetic continuum in the proximate spin liquid compound $\alpha\text{-RuCl}_3$	V. BELOTELOV (invited) Magnetophotonic structures for ultrafast optical control of spins	L. USPENSKAYA (invited) Edelshtein and Dresselhaus effects in magnetic dielectric / superconductor structure	A. OGNEV Simultaneous control of PMA and iDMI by focused ion beam irradiation in magnetic thin films	
11:00				R. MORGUNOV Spontaneous quasiperiodical magnetization reversal in spin valves with perpendicular anisotropy	
11.15	Coffee break				
	<i>Hall A</i> Low dimensional magnetism	<i>Hall B</i> Magnetotransport, magnetooptics and magnetophotonics	<i>Hall C</i> Magnetism and superconductivity	<i>Hall D</i> Domain walls, vortices and skyrmions	<i>Hall E</i> Magnetic semiconductors, multiferroics, topological insulators
11:45	A. SYROMYATNIKOV (invited) Bond-operator formalism for discussion of exotic phases and elementary excitations in spin-1/2 magnets	V. GLUSHKOV (invited) Anomalous Hall effect in the magnets with strong spin fluctuations	A. MOSKVIN (invited) Large variety of the on-site order parameters and phase states in quasi-2D HTSC cuprates	L. ROZSA (invited) Damping of spin wave modes in magnetic skyrmions	H.L. MEYERHEIM (invited) Magnetism, electronic and geometric structure of ultra-thin transition metal dichalcogenides prepared by interface reaction with Bi_2Se_3
12:15	T. SUGIMOTO (invited) Cluster-based haldane states in quantum spin cluster chains	I. KARPOVSKY Ultrafast laser-driven spin-reorientation transition in a magnetite Fe_3O_4	V. SHESTAKOV Influence of temperature on the impurity-induced $s^- \rightarrow s^{++}$ transition in the multiband model of Fe-based superconductors	A. PYATAKOV (invited) Electric field as an actor in micromagnetism	M. OTROKOV (invited) Antiferromagnetic topological insulators: prediction from first principles, observation, and applications
12:30		A. TELEGIN Strain-magneto-optics: new magneto-optical phenomena associated with magnetoelastic interactions	E. POPOVA Formation and structure of Nb_3Sn layers in bronze-processed superconductors under various intermediate heat treatments		

12:45	A. OVCHINNIKOV Anomalous temperature behavior of the chiral spin helix in CrNb ₃ S ₆ thin lamellae	V. GREBENNIKOV Effect of atomic magnetic moments in resonant X-ray photoemission spectroscopy	Yu. KHAYDUKOV Magnetic proximity effect in Nb/Gd superlattices	R. SCHAEFER (invited) Imaging of magnetic domain dynamics at power frequency	Z. KUN'KOVA (invited) Magneto-optical detection of intrinsic ferromagnetism and phase separation in diluted magnetic semiconductors
13:00	D. DZEBISASHVILI Quantum oscillations of magnetization in antiferromagnetic semimetals on a triangular lattice	T. MIKHAILOVA Hybrid states of Tamm plasmon polaritons in nanostructures with Bi-substituted iron garnets	A. ZLOTNIKOV Spin-charge fluctuations in the topologically nontrivial coexistence phase of superconductivity and magnetic ordering		
13:15	Lunch time				
15:00	A. LICHTENSTEIN (invited) Strong electronic correlations in low dimensional magnetic systems	L. AGAFONOV Three-dimensional magneto-optical imaging of magnetic domain structures in iron garnets single crystals by means of confocal Raman microscopy	Yu. SKRYABIN (invited) Orbital magnetic correlations, topological order and superconductivity in strongly correlated systems	N. KISELEV (invited) 2D And 3D Magnetic Textures With Particle-Like Properties	Z. GAREEVA (invited) Cycloidal Ordering in Multiferroic films
15:15		M. YAKUSHEV The g-factor of the topological insulator BiSbTe ₂ S: a magneto-optical study			
15:30	M. POPOVA (invited) New low-dimensional magnetics of the langasite family	E. MASHKOVICH THz opto-magnetism: non-linear excitation of spin waves in antiferromagnetic FeBO ₃	N. PUGACH Superconducting spin valves based on spiral magnets	M. FOERSTER (invited) Field- and current-driven domain wall dynamics in cylindrical nanowires	O. UDALOV Magneto-electric effect in granular multiferroics
15:45		V. PAVLOV High-resolution optical second-harmonic spectroscopy in antiferromagnets accessed by femtosecond laser technique	I. BOBKOVA Magnetoelectric effects in S/F and S/AF hybrids and Josephson detection of magnetization dynamics		L. WEYMANN Magnetic structure and magnetoelectricity in holmium-doped langasite
16:00	A. YERMAKOV (invited) Dimerization and low-dimensional magnetism of nanocrystalline magnetic semiconductors TiO ₂ doped by Fe and Co	E. KARASHTIN Theory of linear optical effect in magnetic media with Dzyaloshinskii-Moriya interaction	L. MAZOV The key role of AF SDW state for HTSC in cuprates and pnictides	A. DAVYDENKO Magnetic structure of [Co(0.8–1.6 nm)/Pd(2 nm)] ₅ superlattices with interfacial Dzyaloshinskii-Moriya interaction	A. PANKRATS Magnetic and thermodynamic properties and spin-flop-driven magnetodielectric response of the antiferromagnetic Pb ₂ Fe ₂ Ge ₂ O ₉ single crystals
16:15		M. ZHURAVLEV New mechanism for linear and non-linear Faraday and Kerr magnetooptic effects	E. TALANTSEV Classifying superconductivity in magic angle twisted bilayer graphene		M. LOGUNOV Thermal and non-thermal effects in laser-induced inertial domain - wall dynamics
16:30	A. PETROV Size-effect's influence on the magnetic phase transition in the nanomagnetics	T. KUZNETSOVA X-ray magnetic circular dichroism on the N _{4,5} edges in rare earth ferromagnets	A. KIIAMOV Mössbauer spectroscopy study of the magnetic microstructure of Fe _{1.05} Te _(1-x) Se _x	A. RASKOVALOV Solitons in the domain structure of an easy-axis ferromagnet	S. APLESNIN Magnetoresistance and magnetoimpedance in Lu _x Mn _{1-x} S solid solutions paramagnetic state
16:45	K. VOSTRIKOVA	I. KOLMYCHEK		K. CHICHAY	V. MEN'SHENIN

	Cyanometallates in design of low-dimensional molecular magnets: promises and disadvantages	Nonlinear magneto-optical effects in planar structures based on heavy and ferromagnetic metals		Effect of interplay of Dzyaloshinskii-Moriya and dipolar interactions on internal skyrmion structure in magnetic multilayers	Magnetic phase transitions and electric polarization in RMn_2O_5 oxides
17:00	M. ANDREEVA Polarization selection in Mössbauer reflectivity for magnetic multilayer investigation				
17:15	Coffee break				
17:30	Poster sessions				
	<i>Low dimensional magnetism</i>				
	<i>Domain walls, vortices and skyrmions</i>				
	<i>Magnetotransport, magnetooptics and magnetophotonics</i>				
	<i>Frustrated and disordered magnetism</i>				
	<i>Magnetism and superconductivity</i>				

Friday, 13.09.2019

<i>Time</i>	<i>Hall A</i> Low dimensional magnetism	<i>Hall B</i> Frustrated and disordered magnetism	<i>Hall C</i> Magnetic semiconductors, multiferroics, topological insulators	<i>Hall D</i> Soft and hard magnetic materials	<i>Hall E</i> Magnetic non-destructive testing
9:30	D. BÜRLER (invited) Quantum interference effects in molecular spin hybrids	P. PRELOVSEK (invited) Spin liquid state in planar Heisenberg models	Yu. FETISOV (invited) Nonlinear magnetoelectric effects in layered ferromagnetic-piezoelectric structures	A. ZHUKOV (invited) Stress- induced magnetic anisotropy enabling engineering of magnetic softness GMI effect and domain wall dynamics of amorphous microwires	S. ZADVORKIN (invited) Magnetic structural analysis of constructional materials and products
10:00	I. NOVOSELOVA MAX phases as a novel class of magnetic materials	F. KASSAN-OGLY Ising model on planar decorated lattices. Frustrations and their affection on phase transitions	M. EREMIN (invited) Magnetoelectric coupling in noncollinear ferrimagnets	N. MUSHNIKOV Magnetic properties of non-stoichiometric 4f-3d intermetallis	E. SERBIN Complex application of magnetic and magnetoacoustic parameters in the structuroscopy of ferromagnetic materials
10:15	M. BOLDYREVA Non-equilibrium critical behavior of multilayer magnetic nanostructures	A. SMIRNOV Competition of static and dynamic disorder in a triangular antiferromagne $RbFe(MoO_4)_2$		A. PIROGOV Magnetic phase transition in $Tb_{0.9}Er_{0.1}Ni_5$	S. SHCHERBININ Magnetoimpedance-based low field detector prototype: focus on biomedical conditions.
10:30	P. PRUDNIKOV Aging and hysteresis effects in critical behavior of multilayer magnetic nanostructures	S. SOFRONOVA Heat capacity, structural and magnetic properties of mixed-valence $Pb_3(Mn,Cu)_7O_{15}$	S. EFREMOVA Observation of the inverse magnetoelectric effect in PZT/Finemet two-layered composite structures	A. ERMOLENKO Compositional genesis of paramagnetism - ferromagnetism transition in $PrNi(2-x)Co(x)$ alloys	A. MIKHAILOV Highly effective system for excitation and reception of Lamb waves in ferromagnets
10:45	V. GORNAKOV Perpendicular exchange bias in the “ferrimagnetic / antiferromagnetic” heterostructure	A. GUBKIN Field-induced magnetic phase transitions and metastable states in Tb_3Ni	A. MUKHIN Effect of electric field on magnetization and magnetic susceptibility in rare-earth ferrobortite multiferroics	N. KOSTYUCHENKO High-field magnetization of the $ErFe_{11}Ti$ intermetallic with low rare-earth content	A. NIKITIN Identification of defects in a ferromagnet by solving the inverse problem of magnetostatics.
11:00	M. SAPOZHNIKOV Magnetic resonance force microscopy of ferromagnetic nanostructures	E. VAVILOVA Magnetic ordering process and phase diagram of a honeycomb lattice compound $InCu_{2/3}V_{1/3}O_3$ via magnetoresonance technique study	V. GUDKOV Jahn-Teller effect in acoustic properties of titanium doped $BaFe_{12}O_{19}$ hexaferrite single crystals	O. GOLOVNIA Magnetic properties and structure of melt-spun Fe-Pd-P	Yu. REUTOV The reason of occurrence of a longitudinal residual induction steel core after circular magnetization
11.15	T. POHLMANN Cation-specific magnetic depth profiles in ultrathin Fe_3O_4 films obtained by XRMR	A. VAULIN Investigation of incommensurate magnetic structure of Ho_7Rh_3 using superspace formalism	GUOLEI LIU Ferroelectric polarization controlled anomalous Hall effects and magnetoresistance in ferromagnetic semiconductors (Zn, Co)O		A. NOVOSLUGINA Main features of distributions of the magnetic flux leakage fields of defects different shapes

11:30	N. KULESH Hysteresis properties and perpendicular magnetic anisotropy in GdCo films with hexagonal antidot lattice		A. EDSTRÖM Giant magnetoelectric response and cross-caloric effect around a tetracritical point in multiferroic SrMnO ₃		A. STASHKOV Magnetic control of residual stresses in low carbon steels
11:45	Coffee break				
12:30	Closing Ceremony				