



IX Euro-Asian Symposium «Trends in MAGnetism»

September 13–17, 2025, Yuzhno-Sakhalinsk, Russia

Sakhalin State University
Far Eastern Federal University
Far Eastern Branch of RAS



SYMPOSIUM PROGRAM

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SECTIONS

Section A	Spintronics
Section B	Spin-Orbitronics
Section C	Low dimensional magnetism and magnetic nanostructures
Section D	Spin dynamics and magnetic resonances
Section E	Domain walls, vortices and skyrmions
Section F	Micromagnetic simulation and ab-initio calculations in magnetism
Section G	Magnetotransport, magnetooptics and magnetophotonics
Section H	Magnetoelastic, magnetocaloric and shape memory effects
Section I	Frustrated and disordered magnetism
Section J	Magnetism of strongly correlated electron systems
Section K	Magnetism and superconductivity
Section L	Soft and hard magnetic materials and applications
Section M	Magnetic semiconductors, multiferroics, topological insulators
Section N	Instruments and techniques for studying magnetism
Section O	Magnetic Recording and Information Technology
Section P	Bio-magnetism and Biomedical Applications
Section Q	Magnetic levitation (special section)

Saturday, 13.09.2025

Time	Concert Hall "Symphony" (33 Kommunisticheskii prospect, 2 nd floor)
15:00	Registration
17:00	Opening Ceremony
	Plenary Session 1 Chairman Ustinov
17:20	Sa-J1-PI1_Vyalikh_(plenary) 4F-DRIVEN SURFACE EFFECTS IN LANTHANIDE MATERIALS FROM ARPES AND XAS: REORIENTATION OF 4F MOMENTS, 2D FERROMAGNETISM, KONDO AND RASHBA EFFECTS
18:00	Sa-I1-PI2_Iqbal_(plenary) QUANTUM EFFECTS ON PYROCHLORE HIGHER-RANK U(1) SPIN LIQUIDS: PINCH-LINE SINGULARITIES, SPIN NEMATICS, AND CONNECTIONS TO OXIDE MATERIALS
19:00	Welcome to Sakhalin Party (33 Kommunisticheskii prospect, 2 nd floor)
21:00	End

Sunday, 14.09.2025

Time	Concert Hall "Symphony" (2 nd floor) 33 Kommunisticheskii prospect			
	Plenary Session 2 Chairman Samardak A.S.			
9:30	Su-2A-PI3_Piao_(plenary) EXPLORATION OF HIGH-ORDER TERAHERTZ EMISSION IN FERROMAGNETIC MULTILAYER SYSTEMS			
10:10	Sa-2J-PI4_Streltsov_(plenary) YET ANOTHER ISM: ALTERMAGNETISM			
10:50	Collective photo (33 Kommunisticheskii prospect, Main entrance)			
11:00	Coffee break (38 Leonova str., 4 th floor, Hall 418)			
	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)	Priemnaya kompaniya (38 Leonova str., 1 st floor)
	Session 1, Section A, O, E Chairman Platunov	Session 2, Section D Chairman Komogortsev	Session 3, Section L, E Chairman Talantsev	Session 4, Section K Chairman Pugach
11:20	Su-1A-I1_Mantsevich_(invited) CURRENT-INDUCED SPIN ACCUMULATION IN A QUANTUM DOT: KONDO	Su-2D-O1_Gerevenkov THE ROLE OF ANISOTROPY IN THE LASER-INDUCED MAGNETIZATION PRECESSION	Su-3L-O1_Dobroserdova DYNAMIC MAGNETIC RESPONSE OF MAGNETIC ELASTOMERS WITH INTERNAL MAGNETIC ANISOTROPY AND EXTERNAL	Su-4K-I1_Korshunov MAGNETIC MECHANISM OF PAIRING AND A ROLE OF IMPURITY SCATTERING IN IRON-

	EFFECT AND SPIN NERNST EFFECT	NONLINEARITY IN EPITAXIAL IRON FILMS	ALTERNATING MAGNETIC FIELD	BASED SUPERCONDUCTORS
11:35		Su-2D-O2_Drovosekov MAGNETIC RESONANCE IN NANOGRANULAR COMPOSITES: OBSERVATION OF “DOUBLE-QUANTUM” EXCITATIONS IN FERROMAGNETIC PARTICLES	Su-3L-O2_Subbotin INFLUENCE OF INTERPARTICLE INTERACTION ON DYNAMICS OF MAGNETIZATION RELAXATION OF AN ENSEMBLE OF MONODISPERSE IMMOBILISED SUPERPARAMAGNETIC NANOPARTICLES	
11:50	Su-1A-O1_Antonov FIELD-FREE MAGNETIZATION SWITCHING IN W/CoTb/W/Co/FeMn/W HETEROSTRUCTURES	Su-2D-I1_Sadovnikov_ (invited) FUNCTIONAL MAGNONIC INTERCONNECTION AND TOPOLOGICAL EFFECTS IN ENSEMBLES OF SPIN-WAVEGUIDE STRUCTURES	Su-3L-O3_Grokhotova MAGNETIC RESPONSE OF A SMALL MULTICORE PARTICLE IN A STATIC FIELD: EFFECTS OF SPATIAL AND INTERNAL STRUCTURES	Su-4K-I2_Kravtsov_ (invited) POLARIZED NEUTRON REFLECTOMETRY IN STUDY OF MAGNETIC AND SUPERCONDUCTING NANOSTRUCTURES
12:05	Su-1A-O2_Germizina INDUCED BY THE SPIN-ORBIT TORQUE EFFECT SWITCHING OF MAGNETORESISTANCE IN MICROOBJECTS BASED ON SPIN VALVES WITH A β -Ta BUFFER LAYER		Su-3L-O4_Morchenko MAGNETIC IMPEDANCE OF GLASS-COATED FERROMAGNETIC MICROWIRES IN CROSSED MAGNETIC FIELDS	
12:20	Su-1A-O3_Namsaraev INVESTIGATION OF THE EFFECT OF HEATING ON MULTILAYER CO/TB SYSTEMS	Su-2D-I2_Nikitov_ (invited) PT-SYMMETRY IN SPINTRONICS, MAGNONICS, PHONONICS	Su-3L-O5_Perov MAGNETIC INTROSOPY BASED ON MAGNETIC IMPEDANCE MEASUREMENTS	Su-4K-O1_Bobkov GATE-CONTROLLED PROXIMITY EFFECTS IN SUPERCONDUCTOR/FERROMAGNET VAN DER WAALS HETEROSTRUCTURES
12:35	Su-10-O4_Zdoroveyshchev MAGNETIC MEMORY ELEMENTS BASED ON THIN FILMS CoPd(Pt)/Au		Su-3L-O6_Shipkova RADIATION EFFECTS ON MAGNET PROPERTIES OF BaFe ₁₂ O ₁₉ AND SrFe ₁₂ O ₁₉ HEXAFERRITES	Su-4K-O2_Kunitsyna EFFECT OF Er ³⁺ SINGLE-ION MAGNET COMPLEXES ON SUPERCONDUCTING PROPERTIES OF INDIUM
12:50	Su_1E-O5_Chernousov EFFECT OF Cu-LAYER-INDUCED INTERFACE ROUGHNESS ON DOMAIN WALL MOTION IN THE Cu/Pd/Co/Pd MULTILAYER SYSTEM	Su-2D-O3_Sboychakov HIGH FREQUENCY PERMEABILITY OF THE COMPOSITE WITH FERROMAGNETIC SPHERICAL SHELLS	Su-3E-O7_Chichay INTERNAL STRUCTURE AND DYNAMICS OF DOMAIN WALLS IN CYLINDRICAL STRESSED WIRES	Su-4K-O3_Dzebisashvili PHASE DIAGRAM OF A QUANTUM SU(3) FERRIMAGNET ON TRIANGULAR LATTICE IN MAGNETIC FIELD
13:05	Lunch time			

Sunday, 14.09.2025

Time	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)	Priemnaya kompaniya (38 Leonova str., 1 st floor)
	Session 5, Section N, B Chairman Mantsevich	Session 6, Section P, L Chairman Kostyuchenko	Session 7, Section C, G Chairman Kravtsov	Session 8, Section Q, K Chairman Koledov
15:00	Su-5N-I1_Kuznetsova_(invited) ATOMIC SPIN EFFECTS IN RESONANCE PHOTOEMISSION SPECTROSCOPY OF RARE-EARTH AND 3D-TRANSITION-METAL COMPOUNDS	Su-6P-O1_Lutsenko NANOGRAM MAGNETIC PARTICLES MAGNETORELAXOMETRY VIA UNSHIELDED YIG-BASED GRADIENTOMETER SYSTEM	Su-7C-I1_Samardak_(invited) CONTROL OVER MAGNETOCRYSTALLINE ANISOTROPY OF Co IN CRYSTALLINE/AMORPHOUS Co/CoW SEGMENTED NANOWIRES BY DIFFERENT MATERIALS OF SUBSTRATE	Su-8Q-O1_Kolesov HIGH-TEMPERATURE SUPERCONDUCTING TRAPPED FIELD SOLENOIDS BASED ON BULK SAMPLES AND TAPES STACK
15:15		Su-6P-O2_Zabotnov LASER-ASSISTED NANO- AND MICROSTRUCTURING OF THIN FILMS FOR MAGNETIC BIOSENSORICS		Su-8Q-O2_Matyunina PROSPECTS FOR THE DEVELOPMENT OF VACUUM MAGNETOLEVITATION TRANSPORT
15:30	Su-5B-I2_Tarasenko_(invited) ELECTRIC AND SPIN CURRENTS INDUCED BY TWISTED LIGHT	Su-6P-I1_Levada_(invited) INDUCTION OF NON-APOPTOTIC CELL DEATH IN HEPATOCARCINOMA CELLS VIA PHOTOTHERMAL THERAPY USING Au@Fe3O4 NANOSTARS	Su-7C-O1_Dzhun FMR MAGNETIZATION DYNAMICS IN IrMn- AND FeMn-BASED EXCHANGE BIASED STRUCTURES	Su-8Q-I1_Koledov PHYSICAL AND TECHNOLOGICAL PROBLEMS OF VACUUM MAGNETOLEVITATION TRANSPORT BASED ON HIGH-TEMPERATURE SUPERCONDUCTORS
15:45			Su-7G-O2_Rogachev MAGNETORESISTANCE OF SINGULAR LOW-DIMENSIONAL NANOSTRUCTURES WITH COMPLEX GEOMETRY	
16:00	Su-5N-I3_Platunov_(invited) POLARIZATION-DEPENDENT X-RAY ABSORPTION SPECTROSCOPY FOR FUNDAMENTAL STUDIES OF MODERN MAGNETIC MATERIALS	Su-6P-I2_Sokolov_(invited) "SMART" NANOSCALPEL FOR MICROSURGERY - IDEA, PHYSICAL PRINCIPLES, APPLICATION	Su-7C-O3_Dryagina INVERSION OF MAGNETIC ANISOTROPY IN ARRAYS OF CO NANOWIRES	Su-8Q-O3_von Gratowski STUDY OF VORTEX MOTION IN HIGH-TEMPERATURE SUPERCONDUCTORS FOR MAGNETIC LEVITATION
16:15			Su-7C-O4_Knyazev PHASE TRANSITION OF NANOPARTICLES OF METASTABLE FORMS OF IRON OXIDE IN A XEROGEL MATRIX	Su-8Q-O4_Feng RESEARCH PROGRESS ON HIGH-TEMPERATURE SUPERCONDUCTING PINNING MAGLEV AND VACUUM TUBE TRANSPORTATION
16:30	Su-5N-O1_Surdin GENERATION AND APPLICATION OF HIGH AND ULTRAHIGH MAGNETIC FIELDS		Su-7C-I2_Talantsev_(invited) THERMOMAGNETIC PROGRAMMING OF STABLE REMNANT	Su-8K-I2_Arutyunov MAGNETIC AHARONOV-BOHM EFFECT IN SOLID STATE INTERFEROMETER

16:45	Su-5N-O2_Maslov MEASURING MAGNETIZATION IN A ULTRA-HIGH MAGNETIC FIELD: SENSOR DESIGN AND MEASUREMENT RESULTS		MULTIDOMAIN STATES IN EXCHANGE-BIASED FILMS	
17:00	Su-5N-O3_Wang THERMOGRAVIMETRY IN A GRADIENT MAGNETIC FIELD AS AN EFFICIENT QUASI IN SITU METHOD FOR STUDYING MAGNETIC PHASE FORMATION: THE CASE OF Fe-Si-O XEROGELS	Su-6L-O3_Zverev THE INFLUENCE OF INTERPARTICLE CORRELATION ON THE SPECIFIC ABSORPTION RATE OF ELLIPSOIDAL MULTICORE NANOPARTICLES	Su-7G-O5_Polulyakh LIGHT-INDUCED MODIFICATION OF THE DOMAIN STRUCTURE IN AN EPITAXIAL CATION- SUBSTITUTED IRON GARNET FILM	Su-8K-O5_Gokhfeld YBCO MODIFICATIONS BY MAGNETIC NANOPARTICLES
17:15	Poster Sessions (38 Leonova str., 4th floor, Hall 418)			
19:00	End			

Monday, 15.09.2025

Time	Concert Hall "Symphony" (2nd floor) 33 Kommunisticheskii prospect			
	Plenary Session 3 Chairman Ovchinnikov			
9:30	Mo-3A-P5_Yu_(plenary) MAGNETIC DOMAIN LITHOGRAPHY AND ITS APPLICATIONS IN SPINTRONIC DEVICES			
10:10	Mo-3A- P6_Arutyunov_(plenary) QUANTUM NANOELECTRONIS: WHERE WE STAND AND WHERE WE CAN GO?			
10:50	PTF "Korpus" MODERN LABORATORY FURNITURE AND EQUIPMENT			

11:00				
Coffee break (38 Leonova str., 4 th floor, Hall 418)				
	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)	Priemnaya comissiya (38 Leonova str., 1 st floor)
	Session 1, Section L Chairman Sapozhnikov	Session 2, Section M, I, C Chairman Ekomasov	Session 3, Section J Chairman Davydenko	Session 4, Section K Chairman Pyatakov
11:20	Mo-1L-I1_Kostyuchenko_(invited) PHASE TRANSITIONS IN RARE-EARTH INTERMETALLIC COMPOUNDS IN MEGAGAUSS FIELDS	Mo-2M-O1_Glushkov MAGNETOTRANSPORT AND ESR IN CORRELATED TOPOLOGICAL INSULATOR SmB6 UNDER n/p CONVERSION OF SURFACE CONDUCTIVITY TYPE	Mo-3J-O1_Komleva EMPTY DOES NOT MEAN USELESS: THE ROLE OF HG 6S-STATES IN THE MAGNETIC PROPERTIES OF ALTERMAGNETIC HgMnO3	Mo-4K-I1_Ovchinnikov_(invited) ISING SUPERCONDUCTIVITY IN TRANSITION METAL DICHALCOGENIDES
11:35		Mo-2M-O2_Makarova MECHANICAL INSTABILITY OF MAGNETIC ELASTOMER IN TRANSVERSE MAGNETIC FIELD AS A PRINCIPLE OF MAGNETOELECTRIC EFFECT IN PIEZOPOLYMER-MAGNETIC ELASTOMER STRUCTURE	Mo-3J-O2_Leonov ELECTRONIC STRUCTURE AND ORBITAL-SELECTIVE BEHAVIOR IN THE BI- AND TRILAYER RUDDLESDEN-POPPER NICKELATE SUPERCONDUCTORS LAN+1NINO3N+1 (N=2, 3)	
11:50	Mo-1L-O1_Alyabyeva FINE-TUNING OF MAGNETIC FUNCTIONAL CHARACTERISTICS IN SUBSTITUTED HEXAFERRITES	Mo-2M-I1_Gareeva_(invited) MAGNETOGALVANIC EFFECTS IN TETRAGONAL ANTIFERROMAGNETS: CuMnAs, Mn2Au	Mo-3J-O3_Makarov ELECTRONIC STRUCTURE OF THE CUO MONOLAYER IN THE PARAMAGNETIC PHASE CONSIDERING THE COULOMB INTERACTIONS	Mo-4K-O1_Zlotnikov INTERPLAY OF VORTEX- AND CORNER-LOCALIZED MODES IN A 2D SECOND-ORDER TOPOLOGICAL SUPERCONDUCTOR
12:05	Mo-1L-O2_Balasoiu STRUCTURAL CHARACTERIZATION OF ANISOMETRIC NANOPARTICLES IN POWDER AND FERROFLUIDS		Mo-3J-O4_Moshkina FLUX GROWTH RESEARCH AND MAGNETIC PROPERTIES OF Mn-CONTAINED BORATES WITH HUNTITE AND GAUDEFROYITE STRUCTURE	Mo-4K-O2_Bobkova THEORY OF HYBRID COLLECTIVE EXCITATIONS IN TOPOLOGICAL SUPERCONDUCTOR/FERROMAGNETIC INSULATOR HETEROSTRUCTURES
12:20	Mo-1L-O3_Chemezova MAGNETIZATION OF THE AGGREGATES OF THE SUPERPARAMAGNETIC NANOPARTICLES WITH FRACTAL-LIKE STRUCTURE	Mo-2M-O3_Stepina INTRINSIC MAGNETIC TOPOLOGICAL INSULATOR MnBi2Te4 GROWN BY MBE	Mo-3J_I1_Kazak MAGNETIC OXYBORATES: PROGRESS IN SYNTHESIS AND PROPERTIES	Mo-4K-I2_Pugach_(invited) MICROWAVE RESPONSE OF HETEROSTRUCTURES SUPERCONDUCTOR-FERROMAGNET
12:35	Mo-1L-O4_Elfimova MODELING MAGNETIZATION OF THE MULTI-CORE MAGNETIC PARTICLES: FROM	Mo-2I-O4_Panov THE FEATURES OF THE THERMODYNAMIC BEHAVIOR OF		

	INDIVIDUAL PARTICLE TO ENSEMBLE	FRUSTRATED SPIN CHAINS		
12:50	Mo-1L-O5_Tkachenya MATERIAL FOR INTEGRATED GNSS ANTENNA AMPLIFIER WITH ANGULAR FILTERING	Mo-2I-O4_Tsuwarev GENERALIZED ISING MODEL ON DECORATED SQUARE LATTICE	Mo-3J-O5_Zlotnikov INFLUENCE OF QUANTUM RENORMALIZATIONS ON THE MAGNETIC FIELD DEPENDENCE OF MAGNETIZATION AND THERMODYNAMICS OF THE SPIN-FLOP TRANSITION IN THE TOPOLOGICAL ANTIFERROMAGNET MnBi ₂ Te ₄	Mo-4K-O3_Bobkov ANOMALOUS JOSEPHSON EFFECT AND SUPERCONDUCTING DIODE EFFECT IN JOSEPHSON JUNCTIONS VIA RET ₂ SI ₂ INTERMETALLIC MAGNETS
13:05		Mo-2C-O5_Smirnov CHIRAL MAGNETISM IN MONOLAYER SEMICONDUCTORS	Mo-3J-O5_Shneyder POLARON EFFECTS IN THE FORMATION OF EFFECTIVE EXCHANGE INTERACTION AND PSEUDOGAP STATE OF A CORRELATED SYSTEM	Mo-4K-O4_Sboychakov COEXISTENCE OF NEMATIC SUPERCONDUCTIVITY AND SPIN DENSITY WAVE IN MAGIC-ANGLE TWISTED BILAYER GRAPHENE
13:20				Cryotrade Engineering Company CRYOGENIC, VACUUM AND MAGNETIC EQUIPMENT FOR SCIENTIFIC RESEARCHES
13:35	Lunch time			

Monday, 15.09.2025

Time	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)	Priemnaya comissiya (38 Leonova str., 1 st floor)
	Session 5, Section A Chairman Samardak A.Yu.	Session 6, Section D Chairman Arutyunov	Session 7, Section E Chairman Korshunov	Session 8, Section C Chairman Levada
15:00	Mo-5A-I1_Sapozhnikov_(invited) MAGNETOELECTRIC EFFECTS IN MAGNETIC TUNNEL JUNCTIONS	Mo-6D-O1_Panin ANTIFERROMAGNETIC RESONANCE IN MICRON SCALE SAMPLES OF CrCl ₃	Mo-7E-I1_Davydenko_(invited) CHIRAL DYNAMICS OF DOMAIN WALLS IN EPITAXIAL PD/CO/PD FILMS	Mo-8C-I1_Dubrovskiy_(invited) SIZE EFFECTS ON THE MAGNETIC PROPERTIES OF A SYSTEM OF ε-Fe ₂ O ₃ NANOPARTICLES
15:15		Mo-6D-O2_Gribova SPIN DYNAMICS EXCITATION BY HIGH-FREQUENCY ELECTROMAGNETIC FIELD		
15:30	Mo-5A-O1_Bazrov HIGHLY EFFICIENT CURRENT-INDUCED MAGNETIZATION SWITCHING IN MAGNETIC COLUMN STRUCTURES WITH A FERRIMAGNETIC FREE LAYER	Mo-6D-I1_Eremina_(invited) MAGNETIC PROPERTIES OF LUDWIGITES Cu ₂ MnBO ₅ :Cr	Mo-7E-O1_Ekomasov STRUCTURE AND NONLINEAR COUPLED DYNAMICS OF MAGNETIC VORTICES IN SPIN TRANSFER NANOOSCILLATORS	Mo-8C-I2_Pyatakov_(invited) FLEXURE-INDUCED EFFECTS IN MAGNETICS: FROM THICK FILMS TO VAN DER WAALS MATERIALS
15:45	Mo-5A-O2_Kozlov		Mo-7E-O2_Komogortsev	

	HEAVY METAL TELLURIDES AS FUNCTIONAL MATERIALS FOR MODERN SPINTRONICS		TOPOLOGICAL VARIATIVITY OF MICROMAGNETIC PATTERNS IN FLATTENED NANOELEMENTS WITH PERPENDICULAR MAGNETIC ANISOTROPY	
16:00	Mo-5A-I2_Tereshchenko_(invited) ELEMENTS OF VACUUM SPINTRONICS: SPIN DIODE AND SPIN TRIODE	Mo-6D-O3_Matveev BRAGG RESONANCES IN MULTIFERROIC SANDWICH OF IRON YTTRIUM GARNET/ HAFNIUM-ZIRCONIUM OXIDE	Mo-7E-O4_Letushev DETECTION OF VORTEX STRUCTURES IN A FERRIMAGNET USING A SPIN-VALVE	Online session (the timetable is below)
16:15				
16:30	Mo-5A-O3_Solovova EPITAXIAL GROWTH AND ELECTRONIC STRUCTURE OF Na ₂ KSb(Cs) FOR SPIN POLARIZED ELECTRON SOURCES	Mo-6D-I2_Rinkevich_(invited) MAGNETIC RESONANCE AND ANTIRESONANCE IN COMPOSITES WITH FERROMAGNETIC PARTICLES		
16:45	Mo-5A-O4_Ulev SrIrO ₃ BASED HETEROSTRUCTURES WITH HIGH SPIN HALL ANGLE VALUE			
17:00	Poster Sessions (38 Leonova str., 4th floor, Hall 418)			
19:00	End			

Monday, 15.09.2025

Online Presentations

<https://telemost.yandex.ru/j/81823357945171>

Time	Priemnaya comissiya (38 Leonova str., 1 st floor)
	Session 9, Online Chairman Kozlov
16:10 (8:10 Moscow)	Mo-9On-I1_Zvezdin_(invited) SPINTRONICS - FROM DATA STORAGE TOWARDS PROCESSING
16:30 (8:30 Moscow)	Mo-9On-O1_Fetisov LOW-FREQUENCY TUNABLE MAGNETOELECTRIC INDUCTOR
16:40 (8:40 Moscow)	Mo-9On-O2_Zakhidov SOLUTION FOR AUTOMATING EXPERIMENTS IN THE FIELD OF MAGNETISM
16:50 (8:50 Moscow)	Mo-9On-O3_Demin IMPACT OF THE THICKNESS OF FERROMAGNETIC SHELL ON THE VOLTAGE RESPONSE IN MULTILAYER GMI STRUCTURE WITH A DIELECTRIC SPACER
17:00 (9:00 Moscow)	Mo-9On-O3_Savelev ELECTRIC FIELD CONTROL OF MAGNETOELECTRIC PROPERTIES IN A COMPOSITE STRUCTURE PIEZOELECTRIC-FERROMAGNET
17:10 (9:10 Moscow)	Mo-9On-O4_Yatsyk MAGNETIC PROPERTIES $\text{Ca}_{0.3}\text{Sr}_{0.3}\text{La}_{0.3}\text{Mn}_{0.5}\text{Ti}_{0.5}\text{O}_3$
17:20 (9:20 Moscow)	Mo-9On-O5_Cheremiskina PRODUCTION, STRUCTURE AND MAGNETIC PROPERTIES OF COMPOSITE COATINGS Fe/C, Co/C, Ni/C, $\text{Co}_x\text{Ni}_{1-x}/\text{C}$
17:30 (9:30 Moscow)	Mo-9On-O6_Mekhonoshin OSCILLATIONS AND DRIFT OF DOMAIN WALLS IN IRON GARNET SINGLE CRYSTALS IN PULSED MAGNETIC FIELDS
17:40 (9:40 Moscow)	Mo-9On-O7_Zverev 3D VISUALIZATION OF FAST DYNAMICS AND BURST-LIKE EMISSION OF SPIN WAVES IN PERMALLOY FILMS (MICROMAGNETIC SIMULATIONS)
17:50 (9:50 Moscow)	Mo-9On-O9_Shaikhulov SPIN CURRENT IN FM(Co)/AFM(FeMn) HETEROSTRUCTURE
18:00 (10:00 Moscow)	Mo-9On-O10_Gonchar FRUSTRATED ANTIFERROMAGNET WITH SQUARE LATTICE: MAGNETIC STRUCTURE AND APPLICATION FOR MANGANITE CRYSTALS
18:10 (10:10 Moscow)	Mo-9On-O11_Yanilkin ENGINEERING OF THE SPECTRUM OF STANDING SPIN WAVES IN CONTINUOUSLY GRADED EPITAXIAL PD-FE ALLOY FILMS
	Session 10, Online Chairman Dubrovskiy
18:20 (10:20 Moscow)	Mo-9On-O12_Vasilyev HIGH-SENSITIVE MAGNETIC FIELD TRANSDUCER BASED ON SPIN-TUNNEL MAGNETORESISTIVE NANOSTRUCTURES WITH SYNTHETIC ANTIFERROMAGNET
18:30 (10:30 Moscow)	Mo-9On-O13_Kostyuk HIGH-SENSITIVE MAGNETIC FIELD TRANSDUCER BASED ON GIANT MAGNETORESISTIVE NANOSTRUCTURES

18:40 (10:40 Moscow)	Mo-9On-O14_Dorokhin MANIPULATION OF MICROMAGNETIC STRUCTURE OF THIN Co/Pt MULTILAYER FILMS BY VARIATION OF Co AND Pt THICKNESSES
18:50 (10:50 Moscow)	Mo-9On-O15_Elmekawy STUDYING IMPACT OF GAMMA IRRADIATION ONTO MAGNETIC CHARACTERISTICS OF COBALT NANOWIRE ARRAYS USING FIRST ORDER REVERSAL CURVE (FORC) ANALYSIS
19:00 (11:00 Moscow)	Mo-9On-O16_Valeev INTRINSIC HALL EFFECT IN 2D ELECTRON GAS OF GAN/ALN HIGH-ELECTRON-MOBILITY TRANSISTOR HETEROSTRUCTURES
19:10 (11:10 Moscow)	Mo-10F-O17_Melnikov MICROMAGNETIC SIMULATIONS OF α -Fe/Fe ₃ O ₄ CORE-SHELL NANOPARTICLES SYNTHESIZED BY ELECTRIC EXPLOSION OF WIRE AND BALL MILLING
19:20 (11:20 Moscow)	Mo-10On-P3_Martynov TWO-BRIDGE DZYALOSHINSKY-MORIYA INTERACTION IN THE CHAIN-LIKE FOUR-SUBLATTICE FERROMAGNET PbMnBO ₄
19:30 (11:30 Moscow)	Mo-10On-P4_Mushtuk MODELING OF NÉEL TEMPERATURE STRAIN DEPENDENCE IN CR ₂ CFBR MXENE
19:40 (11:40 Moscow)	Mo-10On-P6_Shaimardanova MAGNETIC PROPERTIES OF SOFT MAGNETIC COMPOSITE MATERIALS PRODUCED BY THE SLM METHOD AT DIFFERENT LASER BEAM POWERS
19:50 (11:50 Moscow)	Mo-10On-P7_Demin BOLOMETRIC MECHANISM FOR INCREASING THE VOLT-WATT SENSITIVITY OF A SPIN-TORQUE DIODE BASED ON A MAGNETIC TUNNEL JUNCTION
20:00 (12:00 Moscow)	Mo-10On-P8_Bakhmetiev SPIN-WAVE CONTROL USING SPIN CURRENT IN FERRO-ANTIFERROMAGNETIC STRUCTURES

Tuesday, 16.09.2025

Time	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)
	Session 1, Section C, B Chairman Samardak A.Yu.	Session 2, Section H Chairman Kazak	Session 3, Section G Chairman Amirov
9:00	Tu-1C-O1_Krasikov MAGNETIC PROPERTIES OF HIGHLY FILLED HARD MAGNETIC MATERIAL BASED ON "EPSILON"–IRON OXIDE NANOPARTICLES	Tu-2H-I1_Taskaev_(invited) LAVES PHASES FOR LOW TEMPERATURE MAGNETOCALORIC APPLICATIONS	Tu-3G-O1_Bondarev MAGNETICALLY-DRIVEN LATERAL PHOTOVOLTAIC EFFECT IN MN/SiO ₂ /n-SI HYBRID STRUCTURE
9:15	Tu-1C-O2_Makarova ADJUSTING ATOMIC AND MAGNETIC STRUCTURE OF GD/FE SUPERLATTICES UPON HYDROGENATION		Tu-3G-O2_Pavlov OPTICAL HARMONICS GENERATION IN THE ANTIFERROMAGNET CoF ₂
9:30	Tu-1C-O3_Rusalina MAGNETIC PROPERTIES AND MAGNETOCALORIC EFFECT IN FERRIMAGNETIC GdTbDyHoEr/Co MULTILAYERS	Tu-2H-O1_Gokhfeld MODEL TO FIT THERMOMAGNETIC PROPERTIES OF NANOSTRUCTURED MAGNETIC COMPOUNDS	Tu-3G-I1_Granovsky_(invited) MAGNETOTRANSPORT AND MAGNETOOPTICS OF (CoFeB) _x (LiNbO ₃) _{100-x} MAGNETIC

9:45	Tu-1C-O4_Sobirov SYNTHESIS AND MAGNETIC PROPERTIES OF SEGMENTED Co/Ni JELLYFISH NANOWIRES	Tu-2H-O2_Matyunina THE INFLUENCE OF EXCHANGE-CORRELATION INTERACTIONS ON THE PROPERTIES OF THE GROUND STATE OF Ni ₂ MnTi	NANOCOMPOSITES CLOSE TO THE PERCOLATION THRESHOLD
10:00	Tu-1B-I1_Zavornitsyn MAGNETORESISTANCE DUE TO SPIN ACCUMULATION IN Pt AND Ta THIN FILMS	Tu-2H-I1_Aliev_(invited) TECHNIQUES OF DIRECT MEASUREMENT OF THE ADIABATIC TEMPERATURE CHANGE UNDER AC MAGNETIC FIELDS	Tu-3G-O3_Usachev GIANT MAGNETIC POLARONS PHOTO-EXCITED IN EUROPIUM CHALCOGENIDES
10:15			Tu-3G-O4_Skidanov TRANSVERSE MAGNETO-OPTICAL KERR EFFECT IN BILAYERS OF MAGNETIC AND NORMAL TRANSITION METALS WITH DIFFERENT FILING OF D-SHELL
10:30	Tu-1C-O5_Sofronova STRUCTURAL AND MAGNETIC PROPERTIES OF LUDWIGITES CO ₃ -XNIXBO ₅	Tu-2H-O3_Sokolovskiy THE INFLUENCE OF THE Co DOPING ON MAGNETISM, STRUCTURE AND MAGNETOCALORIC PROPERTIES OF Ni-Co-Mn-Ti HEUSLER ALLOYS: AB INITIO AND MONTE CARLO STUDIES	Tu-3G-I2_Marchenkov_(invited) UNUSUAL MEMBERS OF USUAL HEUSLER ALLOYS: HALF-METALS, TOPOLOGICAL SEMIMETALS AND SPIN GAPLESS SEMICONDUCTORS
10:45		Tu-2H-O4_Uspenskaya MAGNETIC HYSTERESIS PROPERTIES OF COMPOSITE Ni/Cu	
11:00-11:15			Active Photonics Company CORRELATIVE ANALYSIS FOR FUNCTIONAL MATERIALS: LINKING SURFACE TOPOGRAPHY, MAGNETIC PROPERTIES AND CHEMICAL IDENTITY
11:00	Coffee break (38 Leonova str., 4 th floor, Hall 418)		
	Hall 321 (38 Leonova str., 3 rd floor)	Hall 326 (38 Leonova str., 3 rd floor)	Hall 414 (38 Leonova str., 4 rd floor)
	Session 4, Section E, B Chairman Zavornitsyn	Session 5, Section H Chairman Aliev	Session 6, Section F Chairman Marchenkov
11:20	Tu-4E-I1_Grigoriev_(invited) SPIN WAVES IN FULL-POLARIZED STATE OF DZYALOSHINSKII-MORIYA HELIMAGNETS	Tu-5H-O1_Kamantsev THERMOMECHANICAL AND THERMOMAGNETIC PROPERTIES OF ALL-d-METAL HEUSLER Ni-Co-Mn-Ti ALLOYS	Tu-6F-I1_Zhandun_(invited) MAGNETIC AND ELECTRONIC STRUCTURE OF TRANSITION METAL BORATES: DFT CALCULATION AND REPRESENTATION ANALYSIS
11:35		Tu-5H-O2_Komlev FERROMAGNETIC PHASE NUCLEATION UNDER FIRST-ORDER TRANSITION IN FeRh's ALLOY: EXPERIMENTS AND MODELING	
11:50	Tu-4B-O1_Tarasov EXCHANGE BIAS IN ULTRATHIN EPITAXIAL Pd/Co/CoO FILMS	Tu-5H-I1_Gamzatov_(invited) GIANT INVERSE MAGNETOCALORIC EFFECT IN Ni ₃₇ Co ₁₃ Mn ₃₄ Ti ₁₆ ALLOY:	Tu-6F-O1_Melnikov MICROMAGNETIC SIMULATIONS OF α -Fe/Fe ₃ O ₄ CORE-SHELL NANOPARTICLES SYNTHESIZED BY

		STABILITY OF THE INVERSE EFFECT IN CYCLIC MAGNETIC FIELDS 1.8 AND 8 T	ELECTRIC EXPLOSION OF WIRE AND BALL MILLING
12:05	Tu-4B-02_Igoshev GROUND STATE PHASE DIAGRAM FOR THE INSULATOR STATE OF THE LAYERED PEROVSKITE MODEL		Tu-6F-02_Myasnikov MICROMAGNETIC SIMULATIONS BASED ON PYTHON LIBRARIES: CLASSICAL FINITE DIFFERENCE AND NEURAL NETWORK APPROACHES
12:20	Tu-4B-I1_Ustinov_(invited) SPIN HALL EFFECT MEDIATED CONDUCTION ELECTRON SPIN RESONANCE IN METALS	Tu-5H-I1_Amirov_(invited) MULTICALORIC MATERIALS IN FOCUS OF PRACTICAL APPLICATIONS: TRENDS AND CHALLENGES	Tu-6F-03_Simdyanova MAGNETO-OPTICAL SPECTROSCOPY OF MEMRISTOR NANOCOMPOSITE FILMS OF CoFeB–LiNbO ₃
12:35			Tu-6F-I2_Tayurskii FROM FERROUS OXALATE PRECURSORS TO FERRIC OXALATE TETRAHYDRATE: EXPERIMENTAL-COMPUTATIONAL INSIGHTS INTO LOW-DIMENSIONAL MAGNETIC MATERIALS
12:50			
13:05	Lunch time		
15:00	Excursions		
19:00	Symposium Dinner Congress Hall "Stolitsa", 3 rd floor (259V Komsomolskaya str.)		

Wednesday, 17.09.2025

Time	Concert Hall "Symphony" (33 Kommunisticheskii prospect, 2 nd floor)
	Chairman Yu
10:00	Su-PI-3_Wang_(plenary) TWO-DIMENSIONAL VALLEYTRONIC MATERIALS: FROM PRINCIPLES TO DEVICE APPLICATIONS
10:40	We-PI-8_Uzdin_(plenary) STABILITY OF TOPOLOGICAL MAGNETIC STRUCTURES IN SYSTEMS WITH ITINERANT ELECTRONS
11:20	Mo-PI-6_Belotelov_(plenary) ENHANCEMENT OF OPTOMAGNONIC INTERACTION
12:00	Closing Ceremony Chairman Ustinov
12:20	Collective photo (33 Kommunisticheskii prospect, Main entrance)
12:30	End

POSTER SESSION
Sunday, 14.09.2025
(38 Leonova str., 4th floor, Hall 418)

Section P	Title
Su-P-01P_Abramov	HYDRATION-DEPENDENT MAGNETISM AND CONDUCTIVITY IN MELANIN: TOWARDS BIOELECTRONIC APPLICATIONS
Section E	
Su-E-01P_Filippov	FEATURES OF THE PROCESSES OF REMAGNETIZATION OF UNIAXIAL NANOMODIFIED FILMS
Su-E-02P_Ilyasova	STRUCTURE AND PROPERTIES OF $k\pi$ -SKYRMIONS IN FERROMAGNETIC FILMS WITH SPATIALLY MODULATED PARAMETERS
Su-E-03P_Orlov	INTERACTION OF A "SOFT" MAGNETIC VORTEX WITH MAGNETIC INHOMOGENEITIES
Section I	
Su-I-01P_Drokina	FRUSTRATED AND DISORDERED MAGNETISM IN $\text{LiMgFe}_2(\text{VO}_4)_3$
Su-I-02P_Mikhashenok	SYNTHESIS AND MAGNETIC PROPERTIES OF $\text{GdCa}_3(\text{MnO})_3(\text{BO}_3)_4$ GAUDEFROYITE SINGLE CRYSTALS
Su-I-03P_Tarasova	MAGNETIC ORDER IN THE DISORDERED $\text{NiCr}(\text{BO}_3)\text{O}$
Section N	
Su-N-01P_Chernoglazov	EFFECT OF COFE AND CO-FE-B METAL NANOGRANULES IN COMPOSITE MEMRISTORS BASED ON THE LiNbO_3 MATRIX ON ITS STRUCTURAL FEATURES
Su-N-02P_Novikov	ADDITIONAL MODULE FOR CREATING AN EXTERNAL MAGNETIC FIELD FOR MAGNETIC FORCE MICROSCOPY
Section C	
Su-C-01P_Andryushchenko	ELECTRON AND OPTICAL SPECTROSCOPY OF $(\text{Cr}_{1-x}\text{Mn}_x)_2\text{AC}$ MAX films ($A = \text{Ga}, \text{Ge}$)
Su-C-02P_Eremin	MAGNETIC PROPERTIES IN NANOGRANULAR CO- Al_2O_3 MULTILAYER STRUCTURE PRODUCED USING PLANAR ALUMINOTHERMIC ROUTE
Su-C-03P_Gorkovenko	FEATURES OF THE MAGNETIC PROPERTIES OF FE-CO NANOWIRE ARRAYS SYNTHESIZED USING AN ALUMINUM OXIDE MATRIX
Su-C-04P_Kobyakov	STUDY OF MAGNETIC PROPERTIES OF THE CO/ Al_2O_3 /CO FILM SYSTEM WITH VARIABLE OXIDE INTERLAYER THICKNESS
Su-C-05P_Kolesnikova	TAILORING MAGNETIC PROPERTIES OF COFE $_2\text{O}_4$ NANOPARTICLES THROUGH SURFACTANT-ASSISTED HYDROTHERMAL SYNTHESIS: A FORC STUDY
Su-C-06P_Kurkina	SOT-EFFECT AND PERPENDICULAR MAGNETIC ANISOTROPY IN THIN FILM Pt/Co/Pt AND Pt/Co/Gr STRUCTURES
Su-C-07P_Kuznetsova	MAGNETIC STRUCTURE OF THIN Pt/Co/CoO AND PtTe $_2$ /Pt/Co/CoO FILMS
Su-C-08P_Martynov	NEEL TEMPERATURE AND QUANTUM RENORMALIZATION IN QUASI-TWO-DIMENSIONAL ANTIFERROMAGNET ON TRIANGULAR LATTICE WITH ARBITRARY SPIN
Su-C-09P_Martynov	TWO-BRIDGE DZYALOSHINSKY-MORIYA INTERACTION IN THE CHAIN-LIKE FOUR-SUBLATTICE FERROMAGNET PbMnBO_4
Su-C-10P_Novoselov	INTRINSIC MAGNETISM IN MONOLAYER ELECTRENES XF ($X = \text{Ca}, \text{Sr}, \text{Ba}$)
Su-C-11P_Patrin	MAGNETIC AND RESONANCE PROPERTIES OF CoNi/Si/FeNi FILMS
Su-C-12P_Perov	MAGNETIC DC AND AC SUSCEPTIBILITY OF NANOSTRUCTURED LI-CO-NI ORTHOPHOSPHATE COMPOSITES
Su-C-13P_Prikhodchenko	INFLUENCE OF WTex ON STRUCTURAL PARAMETERS AND COERCITIVITY OF THIN WTex/Pt/Co/MgO MAGNETIC FILMS

Su-C-14P_Pyastolova	SPECTROSCOPY OF ϵ -Fe ₂ O ₃ MAGNETIC NANOPARTICLES EMBEDDED IN SiO ₂ SILICA GEL AND XEROGEL MATRICES
Su-C-15P_Rakhmatullaev	INFLUENCE OF GRADUAL PHASE TRANSITION ON MAGNETIC PROPERTIES OF CO-COW NANOWIRES WITH GRADIENT STRUCTURE
Su-C-16P_Salamatov	MAGNETIC PROPERTIES AND PHASE COMPOSITION OF NICKEL NANOPOWDERS WITH SPACERS AFTER CARBON COATING IN A CVD FACILITY
Su-C-17P_Salnikov	TUNING MAGNETIC PROPERTIES OF Ni-SUBSTITUTED COBALT FERRITE NANOPARTICLES
Su-C-18P_Strelkov	HALDAINE CHAINS $S = 1$ IN A ULTRA-HIGH MAGNETIC FIELD
Su-C-19P_Turpak	MAGNETIC PROXIMITY EFFECT AND INTERFACE FERROMAGNETISM IN Pt/Gd/Pt THIN FILMS
Su-C-20P_Vaskovskiy	FEATURES OF MAGNETISM OF THE RARE EARTH SUBSYSTEM IN Ho-Co FILMS
Su-C-21P_Vekovshinin	TRANSPORT AND MAGNETOTRANSPORT PROPERTIES OF MAGNETIC SINGLE-ATOM-THICK GdxYb _{1-x} Pb ₃ KAGOME LATTICES ON Si(111)
Su-C-21P_Yaroslavtsev	CITRATE-STABILIZED MAGNETITE NANOPARTICLES SYNTHESIZED BY POLYOL METHOD
Section M	
Su-M-01P_Badelin	THE STRUCTURE, MAGNETIC AND ELECTRICAL PROPERTIES OF La _{0.65} -XSR _{0.35} CeX _{MN1-X} COXO _{3+Γ} (X = 0.025; 0.075; 0.125) MANGANITES WITH VARIOUS OXYGEN CONTENT
Su-M-02P_Beliaev	EFFECT OF IRRADIATION ON ELECTRONIC PROPERTIES AND OPTICAL PROPERTIES OF Bi _{1.985} V _{0.015} Te _{2.4} Se _{0.6}
Su-M-02P_Eremin	COMPARISON OF STRUCTURE PROPERTIES OF NdSc ₃ (BO ₃) ₄ SCANDOBORATE GROWN USING VARIOUS SOLVENTS
Su-M-02P_Gudim	MAGNETIC PROPERTIES OF TRIGONAL GdFe ₃ (BO ₃) ₄ WITH HUNTITE STRUCTURE
Su-M-02P_Ignatov	STUDY OF MAGNETOELECTRIC EFFECT IN POLYMER MULTIFERROIC SYSTEM BASED ON PVDF WITH ADDITION OF NANOPARTICLES SrFe ₁₂ O ₁₉
Su-M-02P_Kantur	DETERMINATION OF THE SPIN STATE OF MANGANESE IONS IN A SINGLE CRYSTAL (La _{0.7} Ba _{0.3}) _{0.93} MnO ₃ BY X-RAY SPECTROSCOPY
Su-M-02P_Kovalenko	ELECTRONIC BAND STRUCTURE OF THE TOPOLOGICAL INSULATOR Sb ₂ Te ₂ Se
Su-M-02P_Maslova	EFFECT OF OXYGEN DEFICIENCY ON MAGNETIC AND CHARGE STATE OF Pr ₂ CoMnO _{6-δ}
Su-M-02P_Sharko	MAGNETOELECTRIC PROPERTIES OF THE SUBSTITUTED CERIUM IRON GARNET / LITHIUM NIOBATE STRUCTURES
Su-M-02P_Sitnikov	INFLUENCE OF THE CHOICE OF SOLVENT-MELT FOR GROWING MONOCRYSTALS OF NdGa ₃ (BO ₃) ₄ ON STRUCTURAL AND MAGNETIC PROPERTIES
Su-M-02P_Titova	MAGNETIC PROPERTIES OF GADOLINIUM FERROBORATE
Su-M-02P_Yusupov	MAGNETIC PROPERTIES AND MAGNETOELECTRIC EFFECT IN BiFe _{1-x} Zn _x O ₃ MULTIFERROICS
Su-M-02P_Zhivetev	THZ-IR SPECTROSCOPY OF LEAD-FREE FERROELECTRICS (K,Na)NbO ₃ : INTRINSIC DIELECTRIC PERMITTIVITY AND EVIDENCE OF A NEW PHASE TRANSITION
Section J	
Su-J-01P_Draganyuk	STABILITY OF (M' ¹ M'') ₂ AC MAX-PHASES BASED ON TITANIUM AND VANADIUM WITH RARE EARTH ELEMENTS
Su-J-02P_Gokhfeld	NOVEL OXYBORATE CuFe ₄ (BO ₄) ₂ O ₂ : STRUCTURAL AND MAGNETIC PROPERTIES
Su-J-03P_Kokorina	PECULIARITIES OF THE FERROMAGNETIC STATE IN THE KUGEL-KHOMSKII MODEL FOR A MAGNET WITH ORBITAL ORDERING
Su-J-04P_Korotin	Correlation-Driven Charge And Spin Ordering In NH ₄ +V ₂ O ₅ : A Quasi-One-Dimensional Antiferromagnet With Battery Applications

Su-J-05P_Nikolaev	MAGNETIC EXCITONS BOSE CONDENSATION IN A STRONG MAGNETIC FIELD IN SPIN CROSSOVER SYSTEMS
Su-J-06P_Orlov	ULTRAFast QUANTUM DYNAMICS OF PHOTOEXCITED SPIN STATE RELAXATION IN MAGNETICALLY ORDERED SYSTEMS. TERAHERTZ EMISSION IN FeBO3 CRYSTAL
Su-J-07P_Radzivonchik	BAYESIAN APPROACH TO ESTIMATION OF HAMILTONIAN PARAMETERS OF K β X-RAY EMISSION SPECTROSCOPY
Su-J-08P_Zhandun	MAGNETIC AND ELECTRONIC STRUCTURE OF Co2B2O5 PYROBORATE
Section H	
Su-H-01P_Mashirov	H-T PHASE DIAGRAM OF Ni50-xMn33.4In15.6Vx HEISLER ALLOY IN MAGNETIC FIELDS UP TO 3 T
Su-H-02P_Gamzatov	STABILITY OF THE ADIABATIC TEMPERATURE CHANGE IN LA0.7CE0.3FE11.45MN0.2SI1.35 ALLOY UNDER LONG-TERM (MORE THAN 1 MILLION ON/OFF CYCLES) EXPOSURE TO CYCLIC MAGNETIC FIELDS
Su-H-03P_Kalyabin	PIEZOELECTRIC CONTROL OF ANTIFERROMAGNETIC MODES OF BULK α -Fe2O3
Su-H-04P_Karpukhin	EXPERIMENTAL PROCEDURE FOR STUDYING KINETICS, MAGNETIC AND THERMODYNAMIC PARAMETERS IN HEUSLER ALLOY Ni50.5Mn33.4In15.6V0.5 NEAR THE CURIE POINT
Su-H-05P_Morozov	A METHOD FOR THE THEORETICAL DESCRIPTION OF MAGNETOSTRUCTURAL PHASE TRANSITIONS BASED Ni51-xMn33,4In15,6Vx (x = 0...1) ALLOYS
Su-H-06P_Politova	MAGNETOCALORIC EFFECT OF THE Tb(Co,In)2 COMPOUND SYSTEM
Su-H-07P_Strugatsky	ACOUSTIC EFFECTS IN TRIGONAL ANTIFERROMAGNETS WITH WEAK FERROMAGNETISM
Su-H-08P_Vashchenkova	IMPACT OF COMPOSITIONAL VARIATIONS ON MAGNETIC AND CALORIC PROPERTIES OF FeRhCo ALLOYS
Su-H-09P_Yusupov	METHOD FOR MEASURING MAGNETIZATION IN ALTERNATING MAGNETIC FIELDS
Best poster award Committee	Wang, Streltsov, Vyalikh, Piao, Ovchinnikov, Taskaev, Samardak

POSTER SESSION

Monday, 15.09.2025

(38 Leonova str., 4th floor, Hall 418)

Section G	Title
Mo_G_01P_Enderova	MAGNETIC FIELD EFFECTS ON SURFACE TRANSPORT IN TOPOLOGICAL INSULATOR BI1.1-XSNXSB0.9TE2S
Mo_G_02P_Gan'shina	FEATURES OF MAGNETIC AND PHASE-STRUCTURAL STATE OF FE100-X ZRX FILMS REVEALED BY MOSSBAUER AND MAGNETO-OPTICAL SPECTROSCOPY
Mo_G_03P_Golovko	ENHANCED MAGNETO-OPTICAL EFFECTS VIA ANAPOLE STATES IN MAGNETIC NANOSTRUCTURES
Mo_G_04P_Lyaschenko	MAGNETO-OPTICAL ELLIPSOMETRY TAKING INTO ACCOUNT OPTICAL UNIAXIAL ANISOTROPY
Mo_G_05P_Perova	VISUALIZATION OF MAGNETIC REVERSAL AND DOMAIN STRUCTURE IN AMORPHOUS RIBBONS
Mo_G_06P_Perevalova (Marchenkov)	MAGNETOTRANSPORT AND OPTICAL PROPERTIES OF ARGON ION IRRADIATED TOPOLOGICAL INSULATOR BI2SE3 AND WEYL SEMIMETAL WTE2 SINGLE CRYSTALS
Mo-G-07P_Kalentyeva	LIGHT-EMITTING DIODES WITH INDEPENDENT VARIATION OF POLARIZATION AND RADIATION INTENSITY
Section F	
Mo_F_01P_Taaev	NUCLEATION OF MAGNETIC SKYRMIONS BY SPIN-POLARIZED CURRENT INJECTION
Mo_F_02P_Tomilin	MAX-PHASE SC2ALC AS A BASIS FOR DOPING WITH MAGNETIC METALS
Mo_F_03P_Ulitko	MONTE CARLO SIMULATION OF SPIN REORIENTATION IN MIXED ORTHOFERRITE-ORTHOCHROMITE
Section L	
Mo_L_01P_Bukreev	MAGNETOIMPEDANCE TOMOGRAPHY: THEORY AND SIMULATION
Mo_L_02P_Dedushenko	MÖSSBAUER STUDY OF FERROMAGNETIC MICROWIRES FE 77.5 SI 7.5 B 15
Mo_L_03P_Derevyanko	BIAS CURRENT INFLUENCE ON THE TEMPERATURE DEPENDENCES OF AMORPHOUS COBALT-BASED WIRES IMPEDANCE
Mo_L_04P_Govorina	MAGNETIC PROPERTIES OF CE2CO7 SINGLE CRYSTAL
Mo_L_05P_Grigoryeva	MAGNETIC BEHAVIOR OF CONCENTRATED COLLOIDAL SOLUTIONS BASED ON ANISOTROPIC HARD MAGNETIC NANOPARTICLES OF STRONTIUM HEXAFERRITE
Mo_L_06P_Kokorin	INFLUENCE OF TEMPERATURE ON THE STABILITY OF MAGNETIC DOMAINS IN RAPIDLY QUENCHED FERROMAGNETIC WIRES
Mo_L_07P_Kolodkin	EFFECT OF SURFACTANT ADDITIVES ON THE HYSTERESIS PROPERTIES OF (ND,PR)-(FE,CO,GA,CU,AL)-B MAGNETS MANUFACTURED USING THE PLP TECHNIQUE
Mo_L_08P_Lobanov	EFFECT OF ELECTRON IRRADIATION ON STRUCTURE AND MAGNETIC PROPERTIES OF TI- AND AL-SUBSTITUTED STRONTIUM AND BARIUM HEXAFERRITES
Mo_L_10P_Medvedeva	PERMANENT MAGNETS ASSEMBLIES FOR MAGNETIC SEPARATION OF MICROPLASTICS FROM WATER MEDIA
Mo_L_11P_Neznakhin	MAGNETIZATION ANISOTROPY IN SINGLE CRYSTALS WITH CUBIC SYMMETRY
Mo_L_12P_Polulyakh	THE MINIMAL PERIOD OF THE LABYRINTHINE DOMAIN STRUCTURE IN THE IRON-GARNET EPITAXIAL FILMS
Mo_L_13P_Ponomareva	A RESONANT PHOTOEMISSION STUDY OF THE ERFE2MN0.4 INTERMETALLIC COMPOUND

Mo_L_14P_Popov	EXCHANGE BIAS IN EPITAXIAL FILM OF (TM, GD, GA) – SUBSTITUTED BISMUTH-IRON GARNET
Mo_L_15P_Protasov	INVESTIGATION OF STRUCTURE AND MAGNETIC PROPERTIES OF SM(Fe,V) ₁₂ PERMANENT MAGNETS
Mo_L_16P_Rusanov	FIRST AND THIRD HARMONICS OF DYNAMIC SUSCEPTIBILITY OF A MAGNETIC FLUID IN AN ARBITRARY-AMPLITUDE AC MAGNETIC FIELD
Mo_L_17P_Ryapolov	DYNAMICS OF DISPERSED MEDIA BASED ON A MAGNETIC FLUID IN AN INHOMOGENEOUS MAGNETIC FIELD
Mo_L_18P_Rybitskaya	PERMANENT MAGNET BASED BENDING DIPOLES WITH CORRECTING COILS
Mo_L_19P_Sapovskii	THE ROLE OF NI IN THE ANALYSIS OF THE THERMAL STABILITY OF METALLIC GLASSES
Mo_L_20P_Sarakueva	TEMPERATURE CHARACTERISTICS OF MAGNETIC IMPEDANCE SENSORS BASED ON AMORPHOUS FERROMAGNETIC MICROWIRES
Mo_L_21P_Shapovalova	MAGNETOIMPEDANCE TOMOGRAPHY OF AMORPHOUS SOFT MAGNETIC RIBBONS BEFORE AND AFTER RELAXATION HEAT TREATMENT
Mo_L_22P_Shitov	EFFECT OF TEXTURE CREATION METHOD ON MAGNETIC PROPERTIES AND TEXTURE DEGREE OF (ND,PR)-(Fe,CO,GA,CU,AL)-B PERMANENT MAGNETS PRODUCED BY LOW-OXYGEN TECHNOLOGY
Mo_L_23P_Soltus	IN-SITU DSC STUDIES OF MODEL SINTERING AND PRIMARY COOLING OF (ND,PR)-(Fe,CO,GA,CU,AL)-B ALLOY POWDERS USING THE PLP METHOD
Mo_L_24P_Stepanova	MAGNETIC PROPERTIES OF SAMPLES MADE OF Fe POWDER BY SLM-METHOD AT DIFFERENT PRINTING PARAMETERS
Mo_L_25P_Sundeev	CHANGES IN THE LOCAL ATOMIC STRUCTURE AND MAGNETIC PROPERTIES OF IRON-BASED AMORPHOUS ALLOYS UNDER SEVERE PLASTIC DEFORMATIONS
Mo_L_26P_Zezyulina	ANALYSIS OF MICROWAVE PERMEABILITY OF HEXAGONAL FERRITES USING MAGNETOSTATIC MEASUREMENTS
Mo_L_27P_Nurgaliev	MODELING OF HIGH-FREQUENCY PERMEABILITY OF POROUS FERRITES
Mo-L-28P_Denisova	LOCAL MAGNETIC ANISOTROPY OF FeCoNi(P)-Me (Me = Zn, Zr, W) HIGH-ENTROPY ALLOYS
Section D	
Mo_D_01P_Arkipova	TRANSFER CHARACTERISTICS OF FERROMAGNETIC WAVEGUIDES
Mo_D_02P_Bogdanova	EFFECT OF UNIDIRECTIONAL AND UNIAXIAL ANISOTROPY IN PT/CO/FEMN/PT HETEROSTRUCTURES ON THE THICKNESS OF THE ANTIFERROMAGNETIC LAYER
Mo_D_03P_Bychkov	DISCRETE BREATHERS IN CHAIN OF DIPOLE-COUPLED ELLIPTIC MAGNETIC NANOPARTICLES
Mo_D_04P_Meshcheryakov	HYBRID MODES IN THE ANTIFERROMAGNET/FERROMAGNET HETEROSTRUCTURE
Mo_D_05P_Ptashenko	CONTROL OF SPIN WAVES IN MULTILAYER YIG/YIG/FERH STRUCTURES USING THERMAL PHASE TRANSITIONS FOR LOGIC AND MEMORY APPLICATIONS
Mo_D_06P_Sheshukova	EFFECTS OF SPATIAL SPIN WAVE BEAM SEPARATION FOR ADVANCED SIGNAL PROCESSING IN MULTILAYER STRUCTURES BASED ON YIG FILMS
Mo_D_07P_Stolyar	EFFECTS OF INTERPARTICLE INTERACTIONS ON FREQUENCY DEPENDENCES OF FERROMAGNETIC RESONANCE OF NICKEL FERRITE NANOPARTICLES
Section B	
Mo_B_01P_Krinitina	MICROSTRUCTURE OF B-TA NANOLAYERS EXHIBITING SIZE EFFECTS IN MAGNETORESISTANCE DUE TO SPIN-ORBIT COUPLING
Section A	
Mo_A_01P_Chernyshova	MAGNETORESISTANCE OF SPIN VALVES WITH W _{0.75} TA _{0.25} BUFFER LAYER HAVING A LARGE SPIN HALL ANGLE

Mo_A_02P_Klimov	CONTROL OF MAGNETISM BY ALTERNATING ELECTRIC FIELD IN W/FEGA/PT/PMN-PT AND TBCO ₂ /FECO/PZT HETEROSTRUCTURES - EMITTERS OF THZ RADIATION
Mo_A_03P_Kuznetsov	THERMOMAGNETIC NERNST-ETTINGSHAUSEN EFFECT IN MULTILAYER CO/PT FILMS
Mo_A_04P_Matveev	SPIN WAVES PROFILES IN FERRIMAGNETS
Mo_A_05P_Melchakova	EXTREME STRUCTURE AND SPONTANEOUS LIFT OF SPIN DEGENERACY IN DOPED PERFORATED BILAYER GRAPHENES
Mo_A_06P_Mikaeva	IMAGE-TYPE DETECTOR OF ELECTRON SPIN BASED ON FERROMAGNETIC MEMBRANES
Mo_A_07P_Petrova	AMPLITUDE NON-RECIPROcity OF SPIN WAVES IN EASY-PLANE ANTIFERROMAGNETS
Mo_A_08P_Pletnev	OPTICAL SPIN-POLARIZED STM STUDY OF FERROMAGNETIC/SEMICONDUCTOR STRUCTURES
Mo_A_09P_Semiannikova	ELECTRONIC PROPERTIES OF CO ₂ -XMN _{1+X} AL (X = 0; 0,25; 0,5; 0,75; 1) MAGNETIC HEUSLER ALLOYS
Mo_A_10P_Ved	CONTROL OF MAGNETIC PROPERTIES OF SPIN LIGHT-EMITTING DIODES WITH MN DELTA-LAYER BY DELTA-DOPING WITH ACCEPTOR IMPURITY
Mo_A_11P_Vinokurov	PERPENDICULAR MAGNETIC ANISOTROPY AND DOMAIN STRUCTURE IN SPINTRONIC HETEROSTRUCTURES WITH MOS ₂
Mo_A_12P_Zhabova	SLOW ELECTROMAGNETIC WAVES IN MICROMETER- AND NANOMETER-THICK FERROMAGNETIC METAL FILMS
Section K	
Su-K-01P_Bobkov	ELECTRONIC DENSITY OF STATES IN SUPERCONDUCTOR/FERROMAGNET HETEROSTRUCTURES
Su-K-02P_Lenkov	IMPROVED CALCULATION OF ELECTRIC FIELD STRENGTH IN HIGH-TEMPERATURE SUPERCONDUCTORS USING MONTE CARLO METHOD
Su-K-03P_Terentev	MAGNETIC PROPERTIES OF THE DY ₁ -XERXMN ₂ SI ₂ COMPOUNDS
Best poster award Committee	Ustinov, Belotelov, Yu, Iqbal, Arutyunov, Uzdin, Ognev

"НАУКА"

ЦЕНТР ТЕХНИЧЕСКОГО СОПРОВОЖДЕНИЯ

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ЦЕНТР ТЕХНИЧЕСКОГО СОПРОВОЖДЕНИЯ «НАУКА» ЗАНИМАЕТСЯ ПОСТАВКОЙ И ОБСЛУЖИВАНИЕМ НАУЧНОГО ОБОРУДОВАНИЯ ДЛЯ ЛАБОРАТОРИЙ, РЕШАЯ СЛЕДУЮЩИЕ ЗАДАЧИ:

- + разработка комплексного решения под задачи пользователя, в том числе поставка оборудования, разработанного по индивидуальным проектам
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И ЗАРЕКОМЕНДОВАЛА СЕБЯ КАК НАДЕЖНЫХ
ПОСТАВЩИК ПРИБОРОВ ДЛЯ ИССЛЕДОВАНИЙ
В ОБЛАСТИ ФИЗИКИ И ХИМИИ.

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ЦТС «НАУКА» ПРЕДЛАГАЕТ ШИРОКИЙ ПЕРЕЧЕНЬ УНИКАЛЬНОГО ОБОРУДОВАНИЯ ДЛЯ НАУЧНЫХ ИЗЫСКАНИЙ:

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+ **Advanced Research Systems:** оптические криостаты замкнутого цикла, проточные, сверхвысоковакуумные, исследовательские станции с зондом и иные аксессуары.



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+ **SHI Cryogenic Group (Sumitomo):** криокулеры (криогенные рефрижераторы), крионасосы, гелиевые компрессоры.

+



+ **Quantum Design:** безжидкостные оптические криостаты, оживители гелия, системы квантовой микроскопии, системы nanoосаждения PVD/CVD, SQUID магнетометры, безжидкостные станции для исследования материалов и криомикроскопии.



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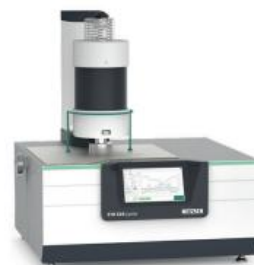
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