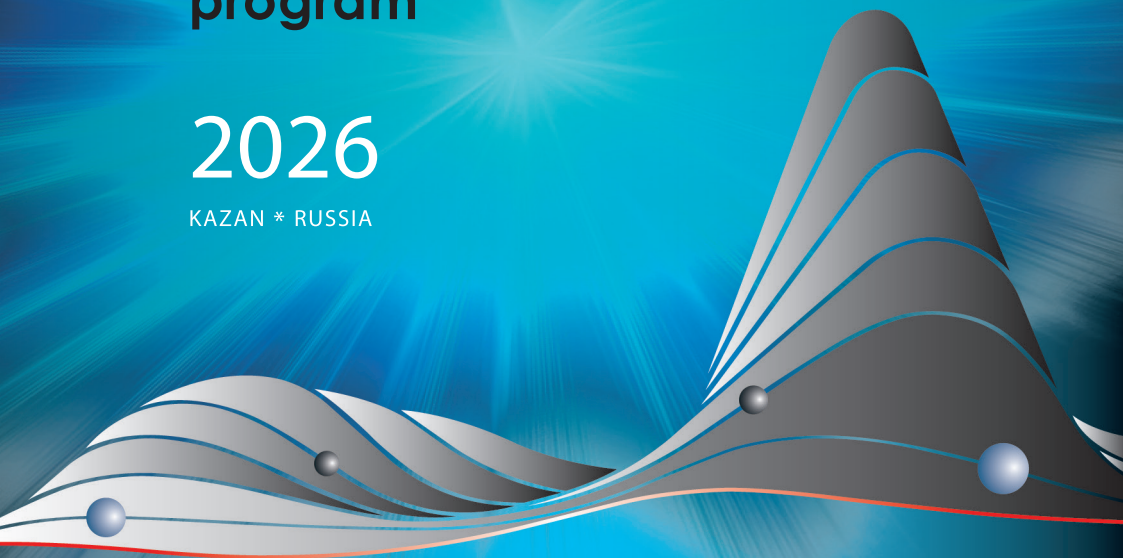


MODERN DEVELOPMENT OF MAGNETIC RESONANCE

program

2026

KAZAN * RUSSIA



08:30–11:00	Registration		
11:00–11:30	Opening ceremony		
11:30–13:00	Plenary lectures. Chair: S. Khantimerov		
11:30–12:15	Sergey Demishev: The Landau-Lifshitz equation, the Gilbert equation, and the description of EPR using semiclassical magnetization dynamics: Breaking stereotypes and new effects <i>High Pressure Physics Institute</i>		
12:15–13:00	Kev Salikhov: On the narrowing effect of EPR spectra due to particle motion and its potential implications for other scientific disciplines <i>Zavoisky Physical-Technical Institute</i>		
13:00–14:30	Break		
	Room 1		Room 2
14:30–16:00	Advances in Magnetic Resonance Chair: A. Sukhanov	14:30–16:00	Low-Dimensional Systems, Nano-Systems and Molecular Magnets Chair: V. Shaginyan
	Vasilii Belykh (invited) Emerging ODMR techniques for spin dynamics in solids <i>TU Dortmund University, Germany</i>		Roman Babunts (invited) ODMR based mapping of diamond and silicon carbide with nanometer resolution <i>Ioffe Institute</i>
	Anatoly Vanin (invited) Dimerization of NO molecules as the initial stage of iron dinitrosyl complexes formation in animals and humans <i>Semenov Federal Research Center for Chemical Physics</i>		Vladimir Zhaketov (oral) Polarized neutron reflectometry in oscillating magnetic fields: Resonant phenomena in low-dimensional magnetic systems <i>Joint Institute for Nuclear Research</i>

	Haijun Yang (invited) A quantitative EPR method based on electron relaxation time distribution tested on the dual NMR/EPR spectrometer <i>Tsinghua University, China</i>		Egor Alakshin (oral) Magnetic properties of PrF_3 nanoparticles <i>Kazan Federal University</i>
			Gleb Dolgorukov (oral) ^3He NMR based measurement of the paramagnetic layer depth in $\text{LaF}_3\text{:Gd}^{3+}$ delta doped nanoparticles <i>Kazan Federal University</i>
16:00–16:30	Coffee break		
16:30–17:40	Advances in Magnetic Resonance Chair: R. Zaripov	16:30–18:00	Low-Dimensional Systems, Nano-Systems and Molecular Magnets Chair: R. Yusupov
	Alexandra Yurkovskaya (invited) Short-lived cation radicals visualized by CIDNP <i>International Tomography Center</i>		Gareth Eaton (invited) Low-lying electronic energy levels correlate with faster electron spin lattice relaxation rates for lanthanide complexes in diverse coordination environments <i>University of Denver, USA</i>

	Kirill Sannikov (oral) Low-field NMR of ^{129}Xe at low temperatures: frequency and temperature dependences of spin-lattice relaxation in liquid and solid phases near triple point <i>Kazan Federal University</i>		Bulat Mukhamadullin (oral) ^1H NMR monitoring of DyF_3 nanoparticle agglomeration <i>Kazan Federal University</i>
	Sergey Veber (oral) Infrared spectroscopy with the advantages of synchrotron radiation sources: Global experience and prospects for the "IR-diagnostics" beamline at the SKIF facility <i>International Tomography Center</i>		Irina Romanova (oral) Modeling of structural and magnetic properties of $\text{Gd}_{1-x}\text{R}_x\text{MO}_3$ compounds <i>Kazan Federal University</i>
17:40-18:00	Round Table "Possibilities for the development of THz-EPR spectroscopy at the SKIF synchrotron source"		Kirill Tsiberkin (oral) Transition between transverse relaxation and regular spin dynamics in dipole chain <i>Perm State University</i>

09:00–10:30	Plenary lectures. Chair: A. Vanin		
09:00–09:45	Elena Bagryanskaya: Application of new spin labels to the study of biomolecular structure <i>Vorozhtsov Novosibirsk Institute of Organic Chemistry</i>		
09:45–10:30	Sergey Dzuba: Nano-scale clustering of mono-spin-labeled molecules from double electron-electron resonance data <i>Voevodsky Institute of Chemical Kinetics and Combustion</i>		
10:30–11:00	Coffee break		
	Room 1		Room 2
11:00–12:00	Modern Methods of Magnetic Resonance Chair: R. Eremina	11:00–12:00	Low-Dimensional Systems, Nano-Systems and Molecular Magnets Chair: T. Gavrilova
	Vladimir Ulanov (oral) Dispersion shape of the EPR spectra lines of the impurity Gd^{3+} ions in the narrow-gap $Pb_{1-x}Ag_xS$ semiconductors: parameters and possible nature of the effect <i>Zavoisky Physical-Technical Institutes</i>		Aleksei Shestakov (oral) Dependence of the ferromagnetic–paramagnetic transition temperature on microwire size in $Co_{83}Fe_7C_1Si_7B_2$ and $Fe_{45}Co_{30}Si_{10}B_{15}$ <i>Prokhorov General Physics Institute</i>
	Gleb Slivin (oral) Weighted least-squares approach to the weak-signal problem in orientational studies of graphene oxide membranes <i>Semenov Federal Research Center for Chemical Physics</i>		Mikhail Matveev (oral) The influence of graphene oxide membranes architecture on their functional properties <i>Semenov Federal Research Center for Chemical Physics</i>

	Ivan Frolov (oral) Sequential radical pair CIDNP <i>Novosibirsk State University</i>		Ekaterina Kovycheva (oral) Modeling of the magnetic response of low-scaled spin structures <i>Perm State University</i>
12:00–14:00	Break		
14:00–17:00	Zavoisky Award Ceremony Zavoisky Awardee 2026 Lecture <i>Tatarstan Academy of Sciences, Baumana str., 20</i>		

09:00–10:30	Plenary lectures. Chair: S. Demishev		
09:00–09:45	Hitoshi Ohta: Multi-extreme THZ ESR: developments and future directions <i>Kobe University</i>		
09:45–10:30	Nikolai Romanov: Optically detected cross-relaxation resonances in dielectric and semiconductor crystals <i>Ioffe Institute, Saint Petersburg, Russia</i>		
10:30–11:00	Coffee break		
	Room 1		Room 2
11:00–12:50	Chemical and Biological Systems Chair: S. Dzuba	11:00–13:00	Strongly Correlated Electron Systems Chair: R. Babunts
	Olesya Krumkacheva (invited) Structural characterization of conformationally heterogeneous biomolecular complexes with photoactive ligands by pulsed dipolar EPR spectroscopy <i>International Tomography Center</i>		Vasiliy Glazkov (invited) Magnetic order in nabokoite family compounds <i>Kapitza Institute for Physical Problems</i>
	Vitaly Volkov (invited) Water molecules and biologically active substances in RBC on NMR data <i>Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry</i>		Shojiro Kimura (invited) High field ESR measurements of the interacting spin dimer systems <i>Tohoku University, Japan</i>

	Elizaveta Konstantinova (invited) Photoelectronic properties of optical sensor platforms based on anodic aluminum oxide <i>Lomonosov Moscow State University</i>		Alexey Semeno (oral) Electron spin resonance probing of antiferromagnetic state in CeB_6 <i>Prokhorov General Physics Institute</i>
	Nikolay Polyakov (oral) NMR study of supramolecular drug delivery systems and drugs interaction with lipid membranes <i>Voevodsky Institute of Chemical Kinetics and Combustion</i>		Rushana Eremina (oral) Properties of ludwigite Cu_2MnBO_5 <i>Zavoisky Physical-Technical Institute</i>
			Daniil Popov (oral) Impact of manganese ions on magnetic and structural properties of cobalt containing ludwigites <i>Zavoisky Physical-Technical Institute</i>
13:00–14:30	Break		
14:30–15:50	Chemical and Biological Systems Chair: E. Bagryanskaya	14:30–18:00	XXV International Youth Scientific School (School-2026)
	Matvey Fedin (invited) Applications of EPR spectroscopy to heterojunction photocatalysts <i>International Tomography Center</i>		

	Alexander Kokorin (invited) Structural reorganization of VO^{2+} complexes on the surface of TiO_2 <i>Semenov Federal Research Center for Chemical Physics</i>		
	Ivan Zhukov (oral) Disentanglement of intra- and inter-molecular pathways of photoinduced electron transfer in biomimetic TRP-PRON-F dyads by time-resolved and field-cycling CIDNP <i>International Tomography Center</i>		
15:50–16:30	Coffee break		
16:30–17:15	Plenary lecture. Chair: K. Salikhov Sandra Eaton: Inversion recovery EPR characterizes the impact of Heisenberg exchange on nitroxide T_1 in low viscosity solutions <i>University of Delaware, USA</i>		
17:15–18:05	Chemical and Biological Systems Chair: D. Astvatsaturov		
	Vladimir Chizhik (invited) Comprehensive use of NMR methods in studying microstructure and molecular mobility in ionic liquid systems <i>Saint Petersburg State University</i>		
	Philip Toukach (oral) Automated prediction of natural carbohydrate structure from 2D NMR data <i>N.D. Zelinsky Institute of Organic Chemistry</i>		

	Room 1
09:00–10:20	Low-dimensional systems. Advances in Magnetic Resonance Chair: A. Kamashev
	Alexander Smirnov (invited) Spin 3/2 paramagnet, spin 1/2 quantum chains and a weakly ordered antiferromagnet in Cs_2CoCl_4 <i>Kapitza Institute for Physical Problems</i>
	Yoshio Teki (invited) Π -topology, spin alignment, DEP generation and ESPT of photogenerated organic multi-spin π -systems <i>Osaka Metropolitan Universitet, Japan</i>
	Kev Salikhov (oral) Using nuclear hyperpolarization in photoinduced electron transfer to study chiral induced electron spin selectivity <i>Zavoisky Physical-Technical Institute</i>
10:20–10:50	Coffer Break
10:50–12:40	Advances in Magnetic Resonance Chair V. Voronkova
	Andrey Sukhanov (invited) Features of ESEEM In the study of photosystem I in trehalose matrix <i>Zavoisky Physical-Technical Institutes</i>
	Ruslan Zaripov (invited) Multi-pulse protocols in EPR: from spectral diffusion suppression to quantum zeno analogy <i>Zavoisky Physical-Technical Institute</i>
	Nikolay Polyakov (invited) Nuclear hyperpolarization in electron transfer in chiral systems <i>Institute of Chemical Kinetics and Combustion</i>
	Yuri Kandrashkin (oral) Photoinduced spin dynamics in rigid chromophore–radical compounds <i>Zavoisky Physical-Technical Institute</i>
14:30–16:30	Poster session 1
16:30–17:00	Coffee break
17:00–19:00	Poster session 2

09:00–09:45	Plenary lecture. Chair: Yu. Kandrashkin Jianzhang Zhao: Study of the photophysics of the compact electron donor-acceptor compounds using time-resolved electron spin resonance spectroscopy <i>Dalian University of Technology, China</i>		
	Room 1		Room 2
09:45–10:45	Mössbauer Spectroscopy and its Applications Chair: N. Suleimanov	09:45–10:45	Related Phenomena Chair: V. Volkov
	Elena Voronina (oral) Anoscale magnetic inhomogeneities in Fe–Al alloys with Ga and B additions: structure, stability, and temperature evolution <i>Kazan Federal University</i>		Rinat Mamin (oral) Conducting and superconducting films with local electric field on interphases <i>Zavoisky Physical-Technical Institute</i>
	Farit Vagizov (oral) Increasing the efficiency of a special wireless communication system based on the stochastic gamma-ray flow <i>Kazan Federal University</i>		Georgii Andreev (oral) Magnetic hysteresis of paramagnetic LIDYF ₄ : A magnetocaloric model <i>Kazan Federal University</i>
	Almaz Zinnatullin (oral) Combined Mössbauer effect and DFT studies of the hyperfine interactions and lattice dynamics in phosphoferrocenes <i>Kazan Federal University</i>		Leonid Grunin (oral) Entropy: A perspective based on NMR relaxation times <i>Resonance Systems GmbH, Germany</i>
10:45–11:15	Coffee break		

11:15-12:15	Advances in Magnetic Resonance Chair: Yu. Talanov	11:15-12:45	Strongly Correlated Electron Systems Chair: E. Vavilova
	Room 1		Room 2
	Vladimir Zobov (oral) Quantum dynamics in Krylov space and operator growth: a study using multiple-quantum NMR <i>Kirensky Institute of Physics</i>		Vasily Shaginyan (invited) Topological foundations of the scaling behavior of superconductors <i>Petersburg Nuclear Physics Institute of NRC Kurchatov Institute</i>
	Razil Ziatdinov (oral) Transferred hyperfine interactions in $\text{CaF}_2\text{:Pu}^{3+}$ ENDOR <i>Kazan Federal University</i>		Yury Bunkov (oral) A new permanent macroscopic coherent quantum state at room temperature <i>Russian Quantum Center</i>
	Ilnur Gimazov (oral) Broadband ESR spectrometer based on VNA and its application for FM materials <i>Zavoisky Physical-Technical Institute</i>		Ivan Yatsyk (oral) Electron-polaron transition and high-temperature phonon drag in $\text{Ca}_{0.3}\text{Sr}_{0.7}\text{Ti}_{0.3}\text{Mn}_{0.3}\text{O}_{3-6}$ perovskite <i>Zavoisky Physical-Technical Institute</i>
			Artemiy Popov (oral) Electron paramagnetic resonance and magnetic oscillation modes described by semiclassical spin dynamics with combined relaxation term <i>Vereshchagin Institute for High Pressure Physics</i>

12:15-13:55	Chemical and Biological Systems Chair: E. Konstantinova		
	Room 1		
	Dmitrii Astvatsaturov (oral) EPR study of graphite oxides with different oxidation levels <i>Semenov Federal Research Center for Chemical Physics</i>		
	Ekaterina Kytina (oral) Comparative analysis of paramagnetic centers in nanosized anodic aluminum oxide synthesized in organic and inorganic acids and subjected to additional etching and annealing <i>Lomonosov Moscow State University</i>		
	Denis Saritsky (oral) Analysis and simulation of EPR spectra of iron-doped bioactive glasses using the Czjzek distribution <i>Institute of Chemistry FEB RAS</i>		
	Yahya Fattakhov (oral) MRI investigation of the development of bird embryos <i>Zavoisky Physical-Technical Institute</i>		

	Khalil Gainutdinov (oral) EPR study of nitric monoxide content in the brain of rats after combined brain and spinal cord injury <i>Zavoisky Physical-Technical Institute</i>		
13:55-14:25	Coffee-break		
14:25	Closing ceremony		

1. Advances in magnetic resonance. Poster session

1-Po1	<u>R.I. Batalov</u>, V.F. Valeev, H.A. Novikov, N.V. Kurbatova, K.I. Gerasimov, R.B. Zaripov: Pulsed and steady-state thermal annealing of sapphire single crystal implanted with chromium ions: Optical and EPR studies
1-Po2	<u>A.A. Bayazitov</u>, A.R. Fakhrutdinov, Ya.V. Fattakhov, V.L. Odivanov, V.A. Shagalov Simulation of a specialized dual-frequency sensor for MRI 0.4 T
1-Po31	<u>R.V. Davydov</u>, <u>D.S. Provodin</u>, V.V. Davydov: Features of the search for an analytical solution of Bloch equations with nonlinear coefficients for describing the modulation technique for recording a nuclear magnetic resonance signal
1-Po4	<u>M.L. Falin</u>, <u>V.A. Latypov</u>, S.L. Korableva: EPR spectroscopy of rare earth ions in a CsCaF ₃ crystal
1-Po5	<u>S.V. Komlina</u>, A.N. Atnyukova, S.A. Dzuba: Orientational motions of nitroxide molecules in glassy ethanol and dibutyl phthalate studied by CW and pulsed EPR
1-Po6	<u>A.A. Rakhmonov</u>, R.M. Eremina, I.I. Fazlizhanov, E.M. Moshkina: Magnetic properties of ludwigite Mn _{0.53} Mg _{2.47} BO ₅ in the temperature range 300–570 K
1-Po7	<u>N.S. Saenko</u>, I.V. Kalinovskaya, A.N. Zadorozhnaya, A.M. Ziatdinov: ESR of Eu ²⁺ in multi-ligand complexes of europium with pyrazine-2-carboxylic acid
1-Po8	<u>A.A. Sukhanov</u>, <u>V.K. Voronkova</u>, Zhanjun Li, J. Zhao: Exchange and dipolar interactions in some photoexcited systems
1-Po9	<u>V.F. Tarasov</u>: Effect of quantum interference under simultaneous excitation of magnetic dipole and electric quadrupole resonance transitions

2. Modern methods of magnetic resonance. Poster session

2-Po1	<u>I.T. Khairutdinov</u>: Simulation of chirp pulse inversion performance in an inhomogeneous RF field
2-Po2	<u>A.A. Samsonenko</u>, S.E. Tolstikov, S. Wu, Z. Wang, <u>S.L. Veber</u>: High-field EPR spectroscopy for measuring magnetic resonance parameters of heterospin complexes of Cu(II)

3. Low-dimensional systems, nano-systems and molecular magnets. Poster session

3-Po1	<u>D.K. Davlyatshina</u>, I.V. Yanilkin, A.I. Gumarov: Control of temperature dependence of coercive force in multilayer epitaxial films Pd _{96-x} Fe ₄ Co _x
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3-Po2	B.F. Farrakhov, Ya.V. Fattakhov: Melting of the surface layer of the implanted GaAs and Si by the halogen incandescent lamps
3-Po3	E.N. Frolova, O.A. Turanova, A.R. Sharipova, E.E. Batueva, L.V. Bazan, R.F. Likеров, R.G. Batulin, M.A. Cherosov, A.A. Sukhanov, A.N. Turanov: Influence of anions on the magnetic properties of mixed-valence heptanuclear iron complexes
3-Po4	R.T. Galeev, R.B. Zaripov: Observation of an unusual double quantum transition in the EPR spectrum
3-Po5	A.M. Garaeva, I.V. Romanova, E.I. Boltenkova, E.M. Alakshin: Study of the magnetic properties of micro and nanosized DyF ₃ powder
3-Po6	S.A. Klimova, A.A. Goldberg, R.V. Davydov, V.V. Davydov: Resonance response of finite two-dimensional ising-like ferromagnets
3-Po7	H. Mohammadi, I.V. Romanova, I.G.S. Acosta, O.V. Nedopekin: Engineering electronic and magnetic behavior in functionalized MXene nanoclusters via first-principles calculations
3-Po8	N.I. Nurgazizov, D.A. Bizyaev, A.A. Bukharaev, A.P. Chuklanov: Conditions of 180° switching of the quasiuniform magnetization in planar Ni particles by thermally induced magnetoelastic effect
3-Po9	Zh.Kh. Pulotov, B.F. Gabbasov, I.V. Yanilkin, A.I. Gumarov, A.G. Kiiamov, L.R. Tagirov, R.V. Yusupov: Compositional structure influence on FMR properties of epitaxial Pd _{1-x} Fe _x /Pt thin film bilayers
3-Po10	Severina M.A., Sharifullin T.Z., Kazin P.E., Vasiliev A.V.: Synthesis and magnetic properties of dysprosium-doped lutetium titanates and lanthanum zirconates with pyrochlore structure
3-Po11	T.S. Shaposhnikova, R.F. Mamin: The shape change of Neel's skyrmion as a result of an electric field
3-Po12	Yu.V. Slesareva, M.Yu. Volkov, D.A. Astvatsaturov, N.A. Chumakova, E.L. Vavilova: ¹ H NMR study of acetonitrile fractions and relaxation in graphite oxide
3-Po13	T.A. Soldatov, A.I. Smirnov: Spin 1/2–3/2 crossover in a chain antiferromagnet Cs ₂ CoCl ₄
3-Po14	R. Tagirov, A. Azarevich, A. Samarin, S. Kozyukhin, S. Bezzubov, A. Semeno, V. Glushkov: Low temperature magnetism and g-factor anisotropy in the compound CaCuSi ₄ O ₁₀
3-Po15	N.Kh. Useinov: Anisotropic magnetoresistance in magnetic tunnel junctions

4. Spin-based information processing and optical quantum technologies. Poster session	
4-Po1	I.S. Pichkovskiy, V.E. Zobov: A selective pulse sequence for implementing associative memory on two qutrits via quantum annealing
4-Po2	V.E. Zobov, V.P. Shauro: Control of the states of quadrupole nuclei through hyperfine interaction with electrons
5. Strongly correlated electron systems. Poster session	
5-Po1	D. Arbuzov, A. Kamashev, N. Garifyanov, I. Garifullin: The effect of a superconducting spin valve in a Py/Pb/Py heterostructure with oxidized interfaces
5-Po2	T.P. Gavrilova, A.R. Gafarova, R.B. Zaripov, I.V. Yatsyk, A.I. Zaitsev, A.V. Cherepakhin, E.M. Moshkina: ESR investigation of magnetic inhomogeneities in the pentaborate $GdMnB_5O_{10}$
5-Po3	Yu. Goryunov, A. Nateprov: Spin nematicity in the Eu ternary pnictides: the ESR viewpoint
5-Po4	B.R. Mukhamaturov, T.D. Kremlev, V.A. Tumanov, Yu.N. Proshin: Critical temperature of thin superconducting films within the proximity-effect theory in the dirty limit
5-Po5	M.I. Nasyrova, I.A. Sotnikov, M.A. Cherosov, A.A. Rodionov, R.V. Yusupov, S.G. Lushnikov: Magnetisation and magnetic resonance in relaxor ferroelectrics with double perovskite structure $PbNi_{1/3}Nb_{2/3}O_3$ and $PbCo_{1/3}Nb_{2/3}O_3$
5-Po6	A.E. Os'kin, S.V. Demishev: Processing and analysis of the electron paramagnetic resonance line shape in the noncentrosymmetric magnet $Mn_{1-x}Rh_xSi$
5-Po7	A.A. Validov, D.A. Bizyaev, D.A. Arbuzov, N.N. Garyf'yanov, A.A. Kamashev, I.A. Garifullin: Fabrication of photomasks using combined photo- and scanning probe lithography techniques
6. Chemical and biological systems. Poster session	
6-Po1	M.M. Akhmetov, M.Yu. Volkov, G.G. Gumarov, D.S. Rybin: 2D noesy NMR spectroscopy study of mechanoactivated Ca and Mg gluconates
6-Po2	O. Alkhuder, M.A. Kostin, P.M. Tolstoy: Multinuclear 1H and ^{31}P NMR characterization of hydrogen-bonded complexes of phosphine oxide
6-Po3	A.A. Elizarova, O.V. Malyshkina, O.V. Shavykin: Differences in the hydrodynamic radius of block and gradient copolymers in dilute solution

6-Po4	<u>M.I. Ibragimova</u>, A.I. Chushnikov, I.V. Yatsyk, D.Kh. Khaibullina, G.G. Gumarov: Features of the EPR spectra of serum ceruloplasmin in patients with undifferentiated connective tissue dysplasia
6-Po5	<u>L.A. Kontorina</u>, E.M. Gibadullina, E.A. Chugunova, B.I. Khairutdinov: NMR spectroscopy of the interaction between 4,6-dinitro-7-chlorobenzofuroxan and an oligonucleotide
6-Po6	<u>I.R. Nigmatullin</u>, E.A. Ermakova, E.M. Gibadullina, E.A. Chugunova, B.I. Khairutdinov: Analysis of the anticancer potential of novel (hetero) aromatic derivatives using NMR spectroscopy and molecular modeling methods
6-Po7	<u>N.S. Saenko</u>, I.V. Kalinovskaya, A.N. Zadorozhnaya, A.M. Ziatdinov: ESR of Eu^{2+} in multi-ligand complexes of europium with pyrazine-2-carboxylic acid
6-Po8	<u>D.A. Saritsky</u>, M.V. Belobeletskaya, M.A. Medkov, A.M. Ziatdinov: EPR of $\text{La}(\text{BO}_2)_3$ powders co-doped with iron and a rare-earth element
6-Po9	<u>D.A. Saritsky</u>, V.V. Zheleznev, D.P. Opra, A.M. Ziatdinov: EPR of impurity copper ions in layered $\text{K}_2\text{Ti}_4\text{O}_9$
6-Po10	<u>O.V. Shavykin</u>, E.I. Fatullaev, I.M. Neelov, D.M. Markelov: Is local mobility in lysine-based dendrigrafts similar to that in dendrimers or chains?
6-Po11	<u>D.A. Tsukhlova</u>, D.L. Melnikova, E.A. Shchitova, V.D. Skirda: Features of T_2 behavior of water in aqueous sugar solutions
6-Po12	<u>M.Yu. Volkov:</u> 2D NMR study of phthalazole
6-Po13	<u>S.V. Yurtaeva</u>, I.V. Yatsyk, A.A. Rodionov: Observation of noise-like magnetic resonance fine structure in spectra of biological tissues
7. Defects and spin qubits. Poster session	
7-Po1	<u>E.V. Dmitrieva</u>, G.V. Mamin, F.F. Murzakhanov, I.N. Gracheva, M.R. Gafurov, V.A. Soltamov: Electron-nuclear interactions of V_B^- centers and ^{11}B shells in hexagonal boron nitride
7-Po2	<u>Yu.E. Ermakova</u>, E.V. Dmitrieva, D.V. Shurtakova, F.F. Murzakhanov, I.N. Gracheva, M.A. Sadovnikova, G.V. Mamin, M.R. Gafurov: Spin properties and electron-nuclear interactions of axial NV centers in 6H-SiC: spectroscopic and theoretical study

7-Po3	<u>V.I. Kolesnokova</u>, G.S. Shakurov, V.V. Semashko, D.V. Badikov: Comprehensive studies of magnetic and optical spectroscopic properties of PbGa_2S_4 crystals doped by Ho^{3+} AND Na^+ ions
7-Po4	<u>L.V. Nikiforov</u>, D.V. Dmitrieva, D.S. Dmitrieva, V.V. Davydov: Research of oxygen vacancies in two types of $\alpha\text{-SiO}_2$ (G2 fused silica and G3 natural silica) using EPR under γ -radiation
7-Po5	<u>R.B. Zaripov</u>, V.A. Ulanov, R.R. Zainullin: Spin dynamics and local structure in $\text{Pb}_{1-x}\text{Cu}_x\text{S:Mn/Gd}$ probed by pulsed EPR
8. Magnetic resonance imaging and applications in medical physics. Poster session	
8-Po1	<u>E.E. Batueva</u>, L.I. Savostina, O.A. Turanova, A.N. Turanov: Mixed-valence heptanuclear iron complex as a potential MRI contrast agent
8-Po2	<u>N.A. Nefediev</u>, N.E. Staroverov, R.V. Davydov: Improving the structural correspondence of MRI studies using a modified TransMorph neural network
8-Po3	<u>V.L. Odivanov</u>, A.R. Fakhrutdinov, Ya.V. Fattakhov, V.A. Shagalov, A.A. Bayazitov: Gradient pulse shaper for NMR or MRI installation
8-Po4	<u>D.V. Pasenko</u>, R.V. Davydov: CTCF as a backbone-agnostic cascade plug-in for deformable 3D brain MRI registration
8-Po5	<u>A.A. Petrova</u>, L.I. Savostina, M.R. Gafurov: Computer simulation of hydroxyapatite doping with vanadium: search for thermodynamically stable configurations
9. Mössbauer spectroscopy and its applications. Poster session	
10. Related phenomena. Poster session	
10-Po-1	<u>R.F. Likеров</u>, I.V. Yatsyk, R.M. Eremina, R.G. Batulin, M.A. Cherosov: High-entropy perovskite-like oxide $(\text{BaCaSrLaNa})_{0.2}\text{FeO}_3$: Synthesis, EPR and magnetometry measurements
10-Po-2	<u>A.D. Shishkin</u>, V.V. Semashko, V.I. Kolesnikova, G.S. Shakurov: Prospects for the use of LiHoF_4 microparticles in LIR ² thermometry

