

Sept., 10

9.00	Opening ceremony
9.15-9.45	M. Bowman
9.45-10.15	H.J. Halpern
10.15-10.45	Y. Kobori "Electron spin polarization imaging of primary charge separations"
10.45-11.15	M. Yulikov "Metal-Metal and Metal-Radical Magnetic Interactions revealed by RIDME spectroscopy"
11-15-11.30	COFFEE
11.30-12.10	S. Aldoshin " Prospects of developing single ion magnets based on Co chelate molecules "
12.10-12.50	V. Kataev " Sub-THz high-field ESR spectroscopy on spin-correlated and frustrated magnetic oxides "
12.50-13.30	Tuna " Pulsed EPR Studies of Actinides and Lanthanides "
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15.00-15.40	K. Sato " Molecular Spin Technology based on Arbitrary Microwave Excitations for Quantum Control "
15.40-16.20	O. Tereshchenko " Investigation of Rashba spin-splitting and topological surface states by Spin-Resolved Photoemission "
16.20-16.40	COFFEE
16.40-17.10	R. Tamura " Origin and Application of Unique Magnetic Properties of All-Organic Liquid Crystalline Compounds with a Particular Radical Structure"
17.10-17.40	E. Thiaudiere "Overhauser-enhanced MRI : a promising approach to proteolysis imaging"
17.40-18.00	O. Krumkacheva " EPR study of human ribosome complexes modeling ribonucleoproteins formed during biogenesis and translation "
18.00-18.20	V. Syryamina " Alamethicin-induced changes in the membrane structure: the stepwise channel formation links with lipid rearrangement "
19.00	Welcome mixer

Sept., 11

9.00-9.40	G. Buntkowsky " Solid state NMR and DNP of functional materials"
9.40-10.10	Y. Matsuki " DNP-enhanced MAS NMR Spectroscopy at 16.4 T and 30 K — Instrumentation and Applications "
10.10-10.30	O. Morozova " Kinetics of Protonation of Transient Neutral Guanine Radical in Neutral Aqueous Solution: Time-Resolved CIDNP Study "
10.30-10.50	D. Sosnovsky " Magnetic field and orientation dependence of solid-state CIDNP "
10.50-11.10	O. Selyutina " The influence of chelators on lipid oxidation "
11.10-11.30	COFFEE
11.30-12.10	I. Koptug " Nuclear spin isomers of molecules: production, properties, and potentialities "
12.10-12.30	D. Burueva " Optimal Heterogeneous Catalyst Structure for NMR Signal Enhancement "
12.30-12.50	I. Skovpin " Heteronuclear SABRE: from signal enhancement to MRI application "
12.50-13.20	K. Ivanov " Singlet-state NMR experiments with pairs of nearly equivalent nuclear spins"
13.20-13.40	A. Kuzhelev "Room-Temperature RIDME Measurements using Orthogonal Spin LabelsTrityl/Nitroxide"
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15.00-15.40	D. Abergel " Nonlinear dynamics of DNP-polarized spins "
15.40-16.20	H.-M. Vieth " Magnetic Field Cycling over Ultra-wide Range for NMR Relaxation Dispersion and Hyperpolarization "
16.20-16.40	COFFEE
16.40-17.10	A. Yurkovskaya "Nuclear Magnetic Resonance Characterization of Short-lived Radical Intermediates "
17.10-17.40	M. Baumgarten " Spin in Organics "
17.40-18.00	K. Sugisaki " Electronic Structures of Ferrocenium Ions with 1,3-Diazetidene-2,4-diimine Bridge: A Theoretical Study "
18.00-18.20	K. Vostrikova " Supramolecular design of heterospin systems "
18.20-19.30	Posters
19.30	Dinner
20.00-	Posters & Beer

Sept., 13

9.00-9.40	K. Salikhov " Electron spins in quantum computing and quantum informatics "
9.40-10.10	(MSK)L. Kulik ""
10.10-10.40	E. Fel'dman " Multiple quantum NMR dynamics and relaxation in one-dimensional systems "
10.40-11.20	G. Kothe " Generation of Multipartite Entanglement among a Large Number of Nuclear Spins in Hyperpolarized Molecular Solids "
11.20-11.40	COFFEE
11.40-12.10	S. Jiang " Endohedral Fullerenes as Molecular Qubits "
12.10-12.40	S. Tarasenko " Si-vacancy spin qubits in silicon carbide "
12.40-13.10	A. Zinovieva " Strain-regulated electron localization in combined Ge/Si quantum dot structures "
13.10-13.30	A. Nenashev " Quantum logical operations on spin states in a continuous microwave field "
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15.00-15.30	M. Forbes ""
15.30-16.00	J. Woodward " Microspectroscopy of flavin-based radical pairs"
16.00-16.30	M. Yakunin ""
16.30-16.50	COFFEE
16.50-17.10	S. Nakazawa " A room-temperature stable triplet carbene as a unit of a high-spin quantum computer, as studied by single-crystal ESR spectroscopy and quantum chemical calculations "
17.10-17.30	N. Stepina " SiCN:Fe for spin injection "
17.30-17.50	T. Gavrilova " Magnetic proximity effect in nanostructured CaCu ₃ Ti ₄ O ₁₂ -based composites "
17.50-18.20	D. Luneau " The memories of the metal-nitroxyde bond "
18.20-18.50	S. Marque " Radical Probes (Nitroxides) and Pro-radical Probes (Alkoxyamines): From Diagnostic to Theranostic "
18.50-19.20	I. Kirilyuk "Nitroxide radicals: in search of sustainability"
20.00	GALA DINNER

Sept., 14

9.00-9.30	K. Maeda " The pulse magnetic field and radio-wave effect on the radical pair dynamics in biologically related systems "
9.30-10.00	N. Leshina " Novel insight into the selectivity of chiral drugs - spin chemistry and photochemistry study of chiral linked systems "
10.00-10.30	V. Borovkov " Spin coherence effects in the radiation-induced fluorescence from conjugated polymers on a nanosecond timescale "
10.30-10.50	A. Melnikov " Determination of hyperfine constants of fluorinated diphenylacetylene radical anions by means of MARY spectroscopy "
10.50-11.10	N. Lukzen " Effect of magnetic field on radical recombination on two-dimensional manifold "
11.10-11.30	COFFEE
11.30-12.10	S. Hill ""
12.10-12.40	S. Dzuba " Lipid-Mediated Clusters of Guest Molecules in Biological Membranes by Spin-Label EPR "
12.40-13.00	N. Isaev " ESEEM observation and localization of bound deuterated substrate histidine-d5 in spin labeled ABC transporter HisQMP ₂ "
13.00-13.20	A. Gorodetskii " Overhauser-Enhanced Magnetic Resonance Imaging: simultaneous visualization of oxygen, pH and inorganic phosphate concentration "
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15.00-15.30	V. Pavlov ""
15.30-16.00	E. Shornikova " Spin-dependent phenomena of neutral and charged excitons in colloidal nanocrystals "
16.00-16.30	S. Demishev " Electron spin resonance in strongly correlated topological insulator SmB ₆ "
16.30-16.50	COFFEE
16.50-17.20	N. Averkiev " Optical spectroscopy of acceptor complexes in GaAs/AlGaAs quantum wells "
17.20-17.40	D. Pokhabov "All-electric GaAs quantum point contact spin-polarizer "
17.40-18.20	P.K. Madhu "Sensing magnetic fields optically "
18.20	CLOSING CEREMONY
19.30	Dinner

