

SYMPOSIUM TIMETABLE

JULY 9, MONDAY

9.00-10.20 REGISTRATION

10.20-10.40 — OPENING

Vladimir I. Chizhik
St Petersburg, Russia

Morning session: Liquid crystals and macromolecules

Chairman:

Lecture 10.40-11.20	Vytautas Balevicius	NMR study of ionic liquids: lyotropic phases, hydrogen bonding, non-equilibrium- and relaxation effects	Vilnius LITHUANIA
Oral 11.20-11.40	Alexei Privalov	NMR field-cycling at ultralow fields	Darmstadt GERMANY
11.40-12.00 Coffee Break			
Lecture 12.00-12.40	Sergey Dvinskikh	Translational diffusion in anisotropic liquids by pulse field gradient spin echo NMR	Stockholm SWEDEN
Lecture 12.40-13.20	Elena Charnaya	Self-diffusion slowdown in nanostructural metallic melts	St Petersburg RUSSIA
Oral 13.20-13.40	Boris Kharkov	Surfactant aggregation and adsorption studied by separated local field NMR spectroscopy	St Petersburg RUSSIA
13.40-14.40 Lunch			

Evening session: New techniques & industrial applications**Chairman:**

Lecture 14.40-15.20	Uwe Eichhoff	Compact magnetic resonance: industrial applications	Wiesbaden GERMANY
Oral 15.20-15.40	Vadim Kachala	Modern Bruker Biospin advances in NMR spectroscopy	Moscow RUSSIA
Oral 15.40-16.00	Vitaliy Molchanov	The method of multipulse signal detection of nuclear magnetic resonance in inhomogeneous magnetic field	Kaliningrad RUSSIA
Oral 16.00-16.20	Evgeny Markhasin	Design of spectrometer for dynamic nuclear polarization and cryogenic MAS NMR at 700 MHz/460 GHz	Cambridge USA
16.20-16.40	Coffee Break		
Oral 16.40-17.00	Yury Kolyagin	In situ MAS NMR study under hydrothermal condition: AlPO-18 synthesis	Moscow RUSSIA
Oral 17.00-17.20	Danila Barskiy	Heterogeneous hydrogenation of hydrocarbons over supported metal nanoparticles investigated by means of parahydrogen- induced polarization	Novosibirsk RUSSIA
Oral 17.20-17.40	Oleg Salnikov	Investigation of acrolein hydrogenation over supported metal catalysts and kinetic study of propylene hydrogenation by Parahydrogen Induced Polarization (PHIP)	Novosibirsk RUSSIA
Oral 17.40-18.00	Alexander Levantovsky	Batch processing and fitting series of data without scripting in MagicPlot application	St Petersburg RUSSIA
18.00	Welcome Party		

JULY 10, TUESDAY

Morning session: Polymers & Macromolecules in liquids

Chairman:

Lecture 10.00-10.40	Nikolai Skrynnikov	Toward a comprehensive model of protein disorder: combining NMR data with long MD simulations	West Lafayette USA
Oral 10.40-11.00	Kaliaperumal Kumaravel	Antimicrobial peptide isolation and characterization from crab hemolymph through NMR spectra	Parangipettai INDIA
Lecture 11.00-11.40	Peter Tolstoy	Solvation of H-bonded complexes by polar aprotic solvents: coupling of the proton position to the solvent configuration	St Petersburg RUSSIA
11.40-12.00	Coffee Break		
Lecture 12.00-12.40	Stefan Jurga	Structure and dynamics of polymeric nanostructures as studied by NMR and complementary methods	Poznan POLAND
Oral 12.40-13.00	Ion Geru	Study of the water molecules diffusion in chloride aqueous solutions by means of 2D DOSY NMR method	Chisinau MOLDOVA
Oral 13.00-13.20	Ferid Bashirov	Spectroscopic studies of hindered molecular motion	Kazan RUSSIA
13.20-13.40	Conference Photo		
13.40-14.40	Lunch		

Evening session: Magnetic resonance: Applications**Chairman:**

Oral 14.40-15.00	Jan-Patrick Melchior	Microstructural features of anion exchange membranes for alkaline polymer electrolyte fuel cells investigated by spin diffusion experiments	Stuttgart GERMANY
Oral 15.00-15.20	Elena Kurenkova	Proton NMR study of $Ti_{1-x}V_xH_y$ hydrides: hydrogen site occupancy and mobility	St Petersburg RUSSIA
Oral 15.20-15.40	Konstantin Klyukin	Ab initio studies of Mg/Nb thin films hydrogenation	St Petersburg RUSSIA
Lecture 15.40-16.20	Jacques Fraissard	The secret of the Maya Blue. NMR in archaeology	Paris FRANCE
16.20-16.40	Coffee Break		
16.40-18.20	Poster Session		

JULY 11, WEDNESDAY

11.00	Excursion to Pavlovsk, palace and parks
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JULY 12, THURSDAY

Morning session: Nuclear magnetic resonance & Related phenomena

Chairman:

Lecture 10.00-10.40	Hubert Harańczyk	^1H -NMR relaxation, spectroscopy, and relaxation spectroscopy used for monitoring of residual water in extremely dry biological systems and in cryptobiotic organisms	Cracow POLAND
Lecture 10.40-11.20	Georgy Mozzhukhin	Nuclear quadrupole resonance of energetic materials in low magnetic field	Gebze-Kocaeli TURKEY
Oral 11.20-11.40	Chiara Ferrara	Average versus local structure in K_2NiF_4 -type LaSrAlO_4 : direct experimental evidence of local cationic ordering	Pavia ITALY
11.40-12.00	Coffee Break		
Lecture 12.00-12.40	Olga Lapina	Quadrupolar metal NMR of oxide materials including catalysts	Novosibirsk RUSSIA
Oral 12.40-13.00	Andrey Andreev	Study of metallic Co-containing Fischer-Tropsch Synthesis catalysts by internal field ^{59}Co NMR technique	Novosibirsk RUSSIA
Oral 13.00-13.20	Ivan Skovpin	Immobilized iridium catalysts as promising heterogeneous catalytic systems for generating parahydrogen-induced polarization	Novosibirsk RUSSIA
Oral 13.20-13.40	Sergey Andronenko	An EPR study of Ba-substituted $(\text{La}_{0.33}\text{Sm}_{0.67})_{0.67}\text{Sr}_{0.33-x}\text{Ba}_x\text{MnO}_3$	Kazan RUSSIA
13.40-14.40	Lunch		

Evening session. Solids, including magnetic materials**Chairman:**

Oral 14.40-15.00	Vyacheslav Ryzhov	Paramagnet to ferromagnet phase transition and phase separation near TC in insulator $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x = 0.2$ and 0.25) manganites	Gatchina RUSSIA
Oral 15.00-15.20	Tatiana Kulagina	Dipole-dipole interactions in condensed matter with two kinds of spins	Chernogolovka RUSSIA
Oral 15.20-15.40	Olena Papaianina	Epoxides or peroxides? New structure of graphite oxide	Donetsk UKRAINE
Oral 15.40-16.00	Galina Kupriyanova	The diagnostics of three layer structures for the magnetic tunnel junctions by magnetic resonance methods	Kaliningrad RUSSIA
Oral 16.00-16.20	Irina Shikhman	Theoretical studies of structural and magnetic properties of magnetite-iron thin films	St Petersburg RUSSIA
16.20-16.40	Coffee Break		
16.40-18.20	Poster Session		
18.00	Conference Dinner		

JULY 13, FRIDAY

Morning session. Magnetic resonance & Life Science

Chairman:

Oral 10.20-10.40	Alexandr Khrapichev	Molecular imaging promises earlier detection of brain cancer	Oxford UNITED KINGDOM
Oral 10.40-11.00	Evgeny Morozov	NMR Imaging as a tool to study interfaces in colloidal and microheterogeneous systems	Krasnoyarsk RUSSIA
Oral 11.00-11.20	Egor Dobretsov	NMR imaging of extracted eye lenses OXYS and Wistar rats	Novosibirsk RUSSIA
Oral 11.20-11.40	Anastasia Kultaeva	Spin selective recombination as the source of hyperfine excitation in hydrogen atoms. Effects of magnetic field	Orenburg RUSSIA
11.40-12.00	Coffee Break		
Oral 12.00-12.20	Peter Dubovskii	NMR chemical shifts based dynamics study of disulphide- rich proteins in solution	Moscow RUSSIA
Oral 12.20-12.40	Alexey Donets	Solvation and hydration properties of organic molecules in complex solutions	St Petersburg RUSSIA
Oral 12.40-13.00	Sevastyan Rabdano	β -alanine hydration shells in aqueous solution studied by NMR relaxation method and quantum chemistry	St Petersburg RUSSIA
13.00-12.00	Closing		
13.20-14.00	Lunch		
14.00	Guided tour to Saint Petersburg		