

Saint Petersburg State University
Faculty of Physics

International Symposium and Summer School in Saint Petersburg
Nuclear Magnetic Resonance in Condensed Matter

11th meeting “Biomolecular NMR and related phenomena”
July 7 – 11, 2014

Timetable

an AMPERE event

Saint Petersburg, Russia
2014



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11th Meeting "NMR and related phenomena"
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Symposium and School are supported by:

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Contact Addresses

Sevastyan O. Rabdano (Ref.: NMRCM 2014)

Lab.: Quantum Magnetic Phenomena

St. Petersburg State University

Ulyanovskaya str., 1, Petergof, 198504, Saint Petersburg, RUSSIA

Phone: +7-(812)-428-75-59, +7-(812)-428-43-62

Fax: +7-(812)-428-72-40

E-mail: nmrcm@nmr.phys.spbu.ru

URL: <http://nmr.phys.spbu.ru/nmrcm/>

July 7, Monday

09:00-10:15	Registration in Blue Hall			
10:15-10:30	Opening	Vladimir CHIZHIK		St Petersburg RUSSIA
Morning session				
Chairman: Dieter MICHEL				
10:30-11:30	Lecture	Yury PIROGOV	Local NMR spectroscopy in MRI experiments with small laboratory animals	Moscow RUSSIA
11:30-12:00	Oral	Ivan PETROV	Possibilities of the MRI in a complex assessment of cardiac diseases	St Petersburg RUSSIA
12:00-12:30	Coffee Break			
12:30-13:00	Oral	Tat'yana MAKUROVA	Diffusion-Weighted MRI of the body in oncologic practice: method, comparison with PET/SPECT and prospects	St Petersburg RUSSIA
13:00-13:30	Oral	Aleksandr DROZDOV	Magnetic Resonance features of HIV-associated opportunistic infections of the CNS	St Petersburg RUSSIA
13:30-14:00	Oral	Evgeny MOROZOV	Method development to study heavy crude oils using NMR Imaging joined with Cold Finger testing <i>in situ</i>	Krasnoyarsk RUSSIA
14:00-15:00	Lunch			
Evening session				
Chairman: Vladimir CHIZHIK				
15:00-16:00	Lecture	Dieter MICHEL	NMR high resolution spectroscopy and spin-lattice relaxation of Small Molecules adsorbed in metal-organic frameworks (MOFS)	Leipzig GERMANY
16:00-17:00	Lecture	Jacques FRAISSARD	Co-diffusion of gases in a microporous solid bed: classical NMR imaging or slice selection procedure	Paris FRANCE
17:00-17:30	Conference photo			
17:30-	Welcome party			

July 8, Tuesday

Morning session				
Chairman: Vyacheslav CHERTKOV				
10:00-11:00	Lecture	Nikolai SKRYNNIKOV	Modeling a system with intrinsic disorder: an NMR/MD study of peptide-protein encounter complex	West Lafayette USA
11:00-11:30	Oral	Sevastyan RABDANO	The study of hydration properties of functional groups of glycine and beta-alanine amino acids by nuclear magnetic resonance and quantum chemical calculations	St Petersburg RUSSIA
11:30-12:00	Oral	Egor GERTS	Structure of two cyanobiphenyl mesogens studied by molecular dynamics simulations	St Petersburg RUSSIA
12:00-12:30	Coffee Break			
12:30-13:30	Lecture	Vladislav OREKHOV	Modern methods of NMR data collections and spectra processing	Gothenburg SWEDEN
13:30-14:00	Oral	Stefan JURGA		Poznan POLAND
14:00-15:00	Lunch			
Evening session				
Chairman: Sergey DVINSKIKH				
15:00-16:00	Lecture	Vitaly VOLKOV	Water exchange in biological cells studied by pulsed NMR techniques	Chemogolovka RUSSIA
16:00-17:00	Lecture	Yury BUNKOV	Spin superfluidity and Bose-Einstein condensation of magnons	Grenoble FRANCE
17:00-17:30	Coffee Break			
17:30-19:00	Poster session			
23:30-02:30	Boat trip "White nights" & Conference dinner			

July 9, Wednesday

Free day

July 10, Thursday

Morning session				
Chairman: Nikolai SKRYNNIKOV				
10:00-11:00	Lecture	Vyacheslav CHERTKOV	Novel high resolution NMR techniques for elucidation of molecular solution-state structure and dynamics	Moscow RUSSIA
11:00-12:00	Lecture	Sergey DVINSKIKH	Heteronuclear Dipolar NMR Spectroscopy	Stockholm SWEDEN
12:00-12:30	Coffee Break			
12:30-13:30	Lecture	Yury BUNKOV	Direct observation of Majorano fermions in superfluid ^3He	Grenoble FRANCE
13:30-13:00	Oral	Sergey SHELUDIAKOV	Magnetic resonance study of atomic hydrogen and deuterium stabilized in solid H_2 and D_2 matrices below 1 K	Turku FINLAND
14:00-15:00	Lunch			
15:00-17:00	Poster session			
17:00-17:30	Coffee Break			
17:30-18:30	Poster session			

July 11, Friday

Morning session				
Chairman: Andrei KOMOLKIN				
10:00-11:00	Lecture	Peter POLYAKOV	Laws of volume elasticity in physical processes of formation of phase states and properties	Donetsk UKRAINE
11:00-11:30	Oral	Vyacheslav RYZHOV	Unusual scenario of temperature evolution of magnetic state in novel (Au, Co) doped carbon-based nanomaterials	Gatchina RUSSIA
11:30-12:00	Oral	Boris KHARKOV	Molecular mobility in nanostructured mesocomposites studied by dipolar NMR spectroscopy	St Petersburg RUSSIA
12:00-12:30	Coffee Break			
12:30-13:00	Oral	Anton KARSEEV	Compact nuclear magnetic relaxometer to express - condition monitoring of liquid and viscous media	St Petersburg RUSSIA
13:00-13:30	Oral	George MOZZHUKHIN	Two frequency nuclear quadrupole resonance for lines identifications	Kaliningrad RUSSIA
13:30-14:00	Closing			
14:00-15:00	Lunch			

NMRCM 2014 SYMPOSIUM SCHEDULE

	Monday, 07.07	Tuesday, 08.07	Wednesday, 09.07	Thursday, 10.07	Friday, 11.07
9:00 – 10:00	Registration		Free day		
10:00 – 12:00	Opening at 10:15	N. Skrynnikov		V. Chertkov	P. Polyakov
	Yu. Pirogov	S. Rabdano		S. Dvinskikh	V. Ryzhov
	I. Petrov	E. Gerts			B. Kharkov
12:00 – 12:30	Coffee	Coffee		Coffee	Coffee
12:30 – 14:00	T. Makurova	V. Orekhov		Yu. Bunkov (2)	A. Karseev
	A. Drozdov				G. Mozhukhin
	E. Morozov	S. Jurga		S. Sheludiakov	Closing
14:00 – 15:00	Lunch	Lunch		Lunch	Lunch
15:00 – 17:00	D. Michel	V. Volkov		Posters	
	J. Fraissard	Yu. Bunkov (1)			
17:00 – 17:30	Photo	Coffee		Coffee	
17:30 – 19:00	Welcome party	Posters			
		23:30 – 02:30 Boat trip "White nights" & Conference dinner			