

**Preliminary Schedule for Crossing Borders Workshop  
(St. Petersburg State University, 4.10.13, Physical Faculty,  
Peterhof, room B04)**

Time	Name	Institution	Topic
<b>10:00 - 10:50</b>	<b>Session I: Welcome and Opening</b>		
	NN	St. Petersburg State University	
	NN	Consulate of the Federal Republic of Germany	
	Prof. Dr. Klaus Beck	Freie Universität Berlin	
	NN		
10:30 - 10:50	Prof. Dr. Alexander Shikin / Prof. Dr. Eckart Rühl	St. Petersburg State University / Freie Universität Berlin	German Russian Interdisciplinary Science Center: Past - Present - Future
<b>10:50 - 11:15</b>	<b>Coffee Break</b>		
<b>11:15 - 13:15</b>	<b>Session II: Molecular systems and Nanosystems (Chairs: C. Laubschat/A. Manschina)</b>		
11:15 - 11:35	Gelb Silantiev	Nesmeyanov Institute of Organoelement Compounds (RAS), Moscow	Combined spectroscopic and theoretical study of solvent and temperature effects on conformational equilibria involving pincer iridium hydrides
11:35 - 11:55	Thomas Papke	Fachbereich Physik, Potsdam University	Structuring of photosensitive polymer films by surface plasmon near fields
11:55 - 12:15	Roman Ovcharenko	Department of Physics, St. Petersburg State University	X-ray spectra calculation scheme including core-hole screening and Auger effect in the valence band of solids
12:15 - 12:35	Mikhail Soldatov	Center for nanoscale structure of matter, Southern Federal University, Rostov/Don	Synchrotron Radiation-based Study of Structure and Dynamic of Functional Materials in Solution
12:35 - 12:55	Anna Makarova	Fachbereich Physik, TU Dresden	Self-Assembled Supramolecular Complexes with "Rods-in-Belt" Architecture in the Light of Soft X-Rays
12:55 - 13:15	Evgeniy Zhizhin	Department of Physics, St. Petersburg State University	Modification of spin structure of $\pi$ - states of graphene under contact with heavy metals (Bi, Au, Pt) and their joint intercalation
<b>13:15 - 14:15</b>	<b>Lunch break</b>		

<b>14:15 - 14:45</b>	<b>Session III: Interdisciplinary Lecture (Chair: K. Brykalova/A. Makarova)</b>		
14:15 - 14:45	Prof. Dr. Alexander Soldatov	Center for nanoscale structure of matter, Southern Federal University, Rostov/Don	Nanoscale structure of active materials: multiscale computer modeling and x-ray spectral nanodiagnostics
<b>14:45 - 16:25</b>	<b>Session IV: Macroscopic and Optical Systems (Chairs: V. Troyan/A. Leonov)</b>		
<b>14:45 - 15:05</b>	Daria Neverova	Peoples' Friendship University, Moscow	Regularity of solutions for functional differential equations and applications
<b>15:05 - 15:25</b>	Ksenia Darovskaya	Peoples' Friendship University, Moscow	On the solvability of ordinary differential equations with integral conditions
<b>15:25 - 15:45</b>	Ivan Abakumov	Department of Physics of the Earth, St. Petersburg	Innovative technologies in geophysics: from ideas to implementation
<b>15:45 - 16:05</b>	Sergey Aksenov	RAS Moscow	Zeolite properties of minerals induced by high pressure
<b>16:05 - 16:25</b>	Anton Selivanov	Department of Theoretical Cybernetics, St. Petersburg State University	Adaptive time-delayed control of some physical systems
<b>16:25 - 16:45</b>	<b>Coffee break</b>		
<b>16:45 - 18:15</b>	<b>Session V Central Tasks and Resource Centers (Chair: A. Shikin/E. Rühl)</b>		
16:45 - 17:05	Dr. Dmitry Marchenko	Physical Chemistry, FU Berlin	Russian German Laboratory at BESSY II
17:05 - 17:25	Anatoli Ulmer	Institut für Theoretische Physik, TU Berlin	Echark and Electronic Communication
17:25-17:40	Prof. Dr. O. Vyvenko	St. Petersburg State University	Electron Microscopy Resource Center
17:40 - 17:55	Dr. P. Tolstoy	St. Petersburg State University	Nuclear Magnetic Resonance Resource Center
17:55-18:10	Dr. Artem Rybkin	St. Petersburg State University	Research opportunities in the Resource Center of SPbSU "Physical methods of surface investigation"
18:10 - 18:25	N. Kolanovska/M. Rusinova	FU Berlin / St. Petersburg State University	G-RISC in Reality: Views from the administrative coordinators
18:25 - 18:30	Prof. Dr. Alexander Shikin / Prof. Dr. Eckart Rühl	St. Petersburg State University / Freie Universität Berlin	Concluding Remarks