

**III International Conference  
ANALYSIS AND MATHEMATICAL PHYSICS  
15-17 June, 2015, B. Verkin Institute for Low Temperature Physics  
and Engineering of NASU, 47 Lenin Ave., Kharkiv, Ukraine**

<b>Monday, June 15</b>		
09:30-10:00	<b>Registration (ILTPE main hall)</b>	
10:00-10:10	<b>Conference opening ceremony</b>	
<b>Morning session, chairman – Pastur L.A.</b>		
10:10-11:00	Rashkovskii A. Yu.	Extremal cases for the log canonical threshold
11:00-11:20	<b>Coffee break</b>	
11:20-12:10	Khruslov E. Ya.	Two-dimensional Photonic Metamaterials with Preassigned Gaps in Spectrum
12:10-12:45	Arlinsky Yu. M.	Around the Van Daele–Schmüdgen theorem
12:45-14:30	<b>Lunch</b>	
<b>Afternoon session I, chairman – Vasilchuk V.Yu.</b>		
14:30-14:50	Karpel O.M.	Invariant measures on finite rank Bratteli diagrams
14:50-15:10	Myronyuk M.V.	On a characterization of idempotent distributions on discrete fields
15:10-15:30	Makarichev V. A.	Asymptotics of the basic functions of generalized Taylor series for the classes $H_{s,\alpha}$
15:30-15:50	Kostenko O. V.	A frequency analysis of the special form lattices: scattering capacity
15:50-16:00	<b>Coffee break</b>	
<b>Afternoon session II, chairman – Rybalko V.A.</b>		
16:00-16:20	Andreiev K. M.	Regularized integrals of motion for the Korteweg-de Vries equation with steplike initial data
16:20-16:40	Khilkova L. A.	Homogenized conductivity tensor and absorption function for a locally periodic porous medium
16:40-17:00	Kalinin D. S.	On Paulsen transformations of closed surfaces of rotation
17:00-17:20	Soloviova M. V.	Bishop-Phelps-Bollobás theorem for Lipschitz functionals in uniformly convex Banach spaces
17:20-17:40	Nguyen Van Quynh	Representation theorems of $\delta$ -subharmonic functions
18:00	<b>Welcome Party</b>	

<b>Tuesday, June 16</b>		
<b>Morning session, chairman – Khruslov E.Ya.</b>		
09:30-10:20	Eremenko A. E.	Quasiconformal surgery and linear differential equations
10:20-10:50	<b>Coffee break</b>	
10:50-11:40	Kadets V. M.	Measurable selectors: positive results and open problems
11:40-12:15	Poplavskiy M. G.	Real Ginibre matrices with pure complex spectra
12:15-14:30	<b>Lunch</b>	
<b>Afternoon session I, chairman – Poplavskiy M.G.</b>		
14:30-14:50	Afanasiev Ie. V.	Correlation function of two characteristic polynomials of diluted hermitian random matrices near the edge points of the spectrum
14:50-15:10	Tieplova D. P.	Distribution of eigenvalues of some random matrices of high order
15:10-15:30	Marchenko V. A.	Stability theorem for unconditional Schauder decompositions in $\ell_p$ spaces
15:30-15:50	Gladkaya Z. N.	Cauchy problem for Korteweg-de Vries equation with steplike initial data
15:50-16:00	<b>Coffee break</b>	
<b>Afternoon session II, chairman – Fardigola L.V.</b>		
16:00-16:20	Bebiya M. O.	Stabilization of systems with power principal part
16:20-16:40	Filipkovskaya M. S.	The global solvability and the Lagrange stability of semilinear singular differential-algebraic equations
16:40-17:00	Goncharuk A. B.	An analogue of the Cauchy formula for the solution of a nonhomogeneous linear differential equation in the space of rational functions
17:00-17:20	Revina T. V.	Feedback control for a robust canonical system
17:20-17:40	Bohdanov A. D.	On necessary and sufficient conditions for a function to belong to the Laguerre-Pólya class

**Wednesday, June 17****Morning session, chairman – Eremenko A.E.**

09:30-10:20	Golinskii L.B.	Radial positive definite functions and Schoenberg matrices with negative eigenvalues
10:20-10:50	<b>Coffee break</b>	
10:50-11:40	Fardigola L.V.	On the wave equation controlled by the Dirichlet boundary condition on a half-axis
11:40-12:15	Favorov S. Yu.	Fourier quasicrystals and Lagarias' conjecture
12:15-14:30	<b>Lunch</b>	
<b>Afternoon session, chairman – Rashkovskii A.Yu.</b>		
14:30-15:05	Shepelsky D. G.	Initial boundary value problems for integrable nonlinear equations
15:05-15:40	Rybalko V. A.	On the first eigenpair of singularly perturbed operators with Neumann boundary condition
15:40-16:00	<b>Coffee break</b>	
16:00-16:35	Khrabustovsky V.I.	Operator differential equations containing spectral parameter in Nevanlinna manner
16:35-17:10	Sinelshchikov S. D.	Classification of symmetries on the Laurent extension of quantum plane
17:10-17:45	Vasilchuk V. Yu.	On the fluctuations of eigenvalues of multiplicative unitary invariant ensembles
17:45	<b>Conference closure ceremony</b>	

По всем вопросам, связанным с конференцией обращайтесь к  
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