

# A PERPETUAL SEARCH: MATHEMATICS, PHYSICS, LIFE

	26.06.2023	27.06.2023	28.06.2023	29.06.2023	30.06.2023
TIME	Room 1610	Room 1610	Room 1408	Room 1610	Room 1610
9:30-10:00		<b>Registration</b>			
10:00-10:30	<b>Opening</b>	<b>Shlosman Senya</b>	<b>Shiryaev Albert</b>		<b>Yarovaya Elena</b> Stochastic Growth Models in Branching Random Walks
10:30-11:00	<b>Menshikov Mikhail</b> Dynamics of finite inhomogeneous particle systems with exclusion interaction	KPZ scaling and Tracy-Widom distribution in the Ising model	Randomness in Probability Theory		<b>Bulinskaya Ekaterina VI.</b> Propagation front of branching random walk with periodic branching sources
11:00-11:30		<b>Bleher Paul</b> Topological Expansion and Phase Transitions in Unitary Ensembles of Random Matrices	<b>Chubarikov Vladimir</b> Probability and Number Theory	<b>Maes Christian</b> An extended Third Law	<b>Chernousova Elena</b> Model of contact population dynamics with happy island
11:30-12:00	<b>Shcherbakov Vadim</b> Models with log-linear interaction	<b>Khanin Konstantin</b> First passage percolation in a product-type random environment	<b>Veretennikov Alexander</b> On ergodic coefficients for Markov chains and for Markov chains with memory	<b>Kopylova Elena</b> Orbital stability of solitons for 2D Maxwell-Lorentz equations	<b>Pirogov Sergey</b> Populations and quasispecies - models on graphs and on manifolds (with E.A.Zhizhina)
12:00-12:30	<b>Zverkina Galina</b> About quasi-regenerative processes	<b>Turova Schmeling Tatyana</b> Covariance Structure of Coulomb Multiparticle System	<b>Manita Anatoly</b> Stochastic particle systems and infinite opinion dynamics models (with V. Ignatovskaya)	<b>Komech Alexander</b> On the stability of solitons for the Maxwell-Lorentz equations with spinning particle	<b>Zhizhina Elena</b> On spectrum of non-local operators
12:30-14:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>

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14:00-14:30	<b>Molchanov Stanislav</b>  Phase transitions in population dynamics	<b>Khachatryan Linda</b>  Gibbs measure: Evolution of definition and Dobrushin's thesis	<b>Bulinskaya Ekaterina</b>  Modern risk theory	<b>Vedenyapin Victor</b>  On Vlasov type Equations: derivation, hydrodynamic and Hamilton-Jacobi consequences and cosmological solutions	<b>Kutsenko Vladimir</b>  Estimation of the probability of exponential growth of particle numbers for a branching walk in a random absorbing medium with one splitting center
14:30-15:00		<b>Martynov Gennady</b>  Cramer-von-Mises goodness-of-fit tests for parametric distribution families	<b>Yambartsev Anatoly</b>  Processes with catastrophes: large deviation point of view	<b>Teretenkov Alexander</b>  On long-time Markovian dynamics of open quantum systems	<b>Vershik Anatoly</b>  Catalytic invariants of the measure-preserving systems
15:00-15:30	<b>Bulinski Alexander</b>  New versions of the Rényi theorem for random sums of random variables		<b>Slovokhotov Yuri</b>  Physical interpretation of historical phenomena	<b>Chulaevsky Victor</b>  Uniform Anderson localization and Minami-type estimates for a class of deterministic potentials	
15:30-16:00			<b>Chernyshev Vsevolod</b>  Asymptotics of the number of possible endpoints of a random walk on directed metric graph	<b>Lykov Alexander</b>  Kinetic temperature of a harmonic crystal on a long time scale.	<b>Zamyatin Andrey</b>  Energy escaping to infinity for systems with an infinite number of oscillators
16:00-16:30	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
16:30-17:00	<b>Krasnov Ivan</b>  Hitting probabilities for randoms walks in a strip			<b>Melikian Margarita</b>  Thermal echo in a pinned harmonic crystal	<b>Round table</b>
17:00-17:30	<b>Peres Yuval</b>  How does high-dimensional Euclidean space look when travelling on a cloud of uniformly random points?			<b>Goriachkin Vasilii</b>  Linear Dissipative Force as a Result of Discrete Time Collisions	
17:30-18:00					
18:00-					<b>Dinner</b>