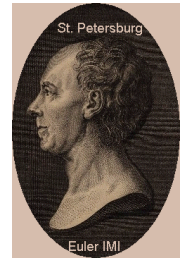❱ Website: indico.eimi.ru/event/95

❱ Venue: The Euler International Mathematical Institute
                Pesochnaya nab. 10, St Petersburg, Russia
❱ ZOOM: 98539555582

❱ Lunch: Restaurant Lindfors, Kamennoostrovsky prospekt, 54

❱ Conf. Dinner: Teplye kraya, Prospekt Medikov, 5   restk.ru

December 21, Tuesday

| 10:30–10:55 | **REGISTRATION** | |
| 10:55–11:00 | **OPENING** | Euler Institute |

11:00–11:50 Aleksandr Poretskii
❱ Mathematical scattering theory in electromagnetic waveguides

11:50–12:10 COFFEE BREAK

12:10–13:00 Andrey Dymov
❱ On the Zakharov-L'vov stochastic model for wave turbulence

13:00–15:00 LUNCH

15:00–15:25 Vladimir Kutsenko
❱ Modelling of the Solution of an Evolutionary Equation with a Random Potential for Mean Numbers of Particles

15:25–15:50 Ivan Korshunov
❱ Limit theorem for spread of disease in finite population

15:50–16:15 Grigorii Popov
❱ Functional Limit Theorems on the Sojourn Time of Stochastic Heavy-Tailed Random Walks at a Multidimensional Lattice Point

16:15–16:35 COFFEE BREAK

16:35–17:00 Grigory Dvorkin
❱ Geometric interpretation of entropy

17:00–17:25 Aleksandra Urtaeva
❱ On the disconjugacy of fourth-order differential equations on graphs

11:00–11:50	**Alexander Bufetov**	online
	❱ Entire functions associated to determinantal point processes. Lecture 1	
11:50–12:10	**COFFEE BREAK**	
12:10–12:35	**Yanqi Qiu**	online
	❱ Patterson-Sullivan construction for point processes and reconstruction of harmonic functions	
12:35–13:00	**Yulia Makarova**	online
	❱ Branching Random Walks in Homogeneous Environment	
13:00–15:00	**LUNCH**	
15:00–15:25	**Kirill Ryadovkin**	Euler Institute
	❱ On periodic branching random walks on $\mathbb{Z}^d$ with heavy tails	
15:25–15:50	**Josip Žubrinić**	
	❱ Operator-norm asymptotics for thin elastic rods with rapidly oscillating periodic properties	
15:50–16:15	**Gavriil Bakai**	
	❱ Large Deviations For Random Walk In Random Environment	
16:15–16:35	**COFFEE BREAK**	
16:35–17:00	**Svetlana Itarova**	
	❱ Towards to nonlinear orthomorphisms	
17:00–17:25	**Mariia Dospolova**	
	❱ Discrete intrinsic volumes and Grassmann valuations	
17:25–17:50	**Eleonora Grischenko**	
	❱ Automorphisms of an algebra of band preserving orthogonally additive operators	

11:00–11:25	**Konstantin Bogdanov**	Euler Institute
	❱ Transcendental dynamics and iterations in infinite-dimensional Teichmüller spaces	
11:25–11:50	**Ivan Alexeev**	
	❱ Stable random variables with the complex stability index	
11:50–12:10	**COFFEE BREAK**	
12:10–12:35	**Kirill Sedov**	
	❱ On monodromy matrices for a difference Schrödinger equation on the real line with a small periodic potential	
12:35–13:00	**Dmitrii Khliustov**	
	❱ f-divergency: theory and applications	
12:50–15:00	**LUNCH**	
15:00–15:25	**Alexandra Mokrousova**	
	❱ Asymptotic relative efficiency of tests for checking correspondence of the regression model	
15:25–15:50	**Anastasiya Shelepova**	
	❱ On the asymptotics in a boundary problem for compound renewal processes	
15:50–16:15	**Victor Kharlamov**	
	❱ Generalization model Of stochastic Colonel Blotto games	
16:15–16:35	**COFFEE BREAK**	
16:35–17:00	**Konstantin Denisov**	
	❱ Lower Devations of Branching Process in Random Environment with Geometric Number of Descendants: Local Asymptotics	
17:00–17:25	**Artem Nikolaev**	
	❱ An analogue of the local time of the complex Brownian motion process	
18:00	**CONFERENCE DINNER**	Teplye kraya

| 11:00–11:50 | **Alexander Bufetov** | online |
| | ❱ Entire functions associated to determinantal point processes. Lecture 2 | |

| 11:50–12:10 | **COFFEE BREAK** | |

| 12:10–12:35 | **Javier Echevarria Cuesta** | online |
| | ❱ An algorithm to compute the spectrum of the Laplace-Beltrami operator on hyperbolic surfaces | |

| 13:00–15:00 | **LUNCH** | |

| 15:00–15:25 | **Natalya Absalyamova** | Euler Institute |
| | ❱ Local Large Deviations of Random Walk in One-Cookie Environment | |

| 15:25–15:50 | **Pavel Ievlev** | |
| | ❱ Parisian ruin of a process with power-asymmetric variance near the optimal point, exact asymptotics | |

| 15:50–16:15 | **Ekaterina Zlobina** | |
| | ❱ Diffraction of short waves from a contour with discontinuous curvature | |

| 16:15–16:35 | **COFFEE BREAK** | |

| 16:35–17:00 | **Juan Marshall** | online |
| | ❱ On the top Lyapunov exponent of the spectral cocycle for the Thue-Morse substitution | |

| 17:00–17:25 | **Roger Van Peski** | online |
| | ❱ Hall-Littlewood polynomials, branching graphs and p-adic random matrices | |