"Sino-Russian Interdisciplinary Mathematical Conference-2"

Steklov Mathematical Institute of RAS (MIAN),
Lomonosov Moscow State University (MSU)

November 25 – November 29, 2024

Monday, November 25 (MIAN, conference hall, floor 9)

	Chairman: Dmitry Treschev
10:30–11:20	Albert Shiryaev. On direct and inverse Kolmogorov equations for purely jump-like Markov processes and their generalization
	Chairman: Vladimir Vatutin
11:50–12:40	Jian Ding. A glimpse at statistical physics from percolation
12:50–13:40	Vladimir Bogachev. Invariant measures of diffusions and solutions of stationary Kolmogorov equations
	Chairman: Dayue Chen
15:00–15:50	Pavel Yaskov. Toward general spectral theory for large random Gram matrices with dependencies
16:20–17:10	Jianping Zhao, Yanhong Qin. Introduction to College of Mathematics and Systems Science of Xinjiang University

Tuesday, November 26 (MIAN, conference hall, floor 9)

	Chairman: Ivan Dynnikov
10:30–11:20	Victor Buchstaber. The Chern–Dold character in complex cobordisms
11:50–12:40	Dayue Chen. Limit theorems for the tagged particle in exclusion processes on regular trees
12:50–13:40	Andrey Mironov. Integrable billiards in cones
	Chairman: Ruochuan Liu
15:00–15:50	Xiaomeng Xu. The quantization of irregular Riemann–Hilbert maps
16:00–16:50	Dmitri Orlov. TBA
17:00–20:30	Conference party (hall, 9 floor)

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Wednesday, November 27 (MIAN, conference hall, floor 9)

	Chairman: Sergey Gorchinskiy
10:30–11:20	Ruochuan Liu. Riemann–Hilbert for p-adic varieties
11:50–12:40	Constantin Shramov. Automorphism groups of compact complex manifolds
12:50–13:40	Huijun Fan. Differential geometrical method of Landau–Ginzburg models
	Chairman: Huijun Fan
15:00–15:50	Gaiane Panina. Concurrent normals problem for convex polytopes
16:20–17:10	Yunhe Sheng. Post groups, post-groupoids and the Yang–Baxter equation

Thursday, November 28 (MSU, hall 16-10, floor 16)

	Chairman: Andrei Shafarevich
10:40–11:30	Nikolay Nikitin. Secondary flows of Prandtl's second kind. Mechanism of formation and method of prediction
12:00–12:50	Huiling Duan. Interfacial flow over slip boundary on underwater hierarchical surface structures
	Chairman: Huiling Duan
14:00–14:50	George Brovko. Binary grading of tensors in the rational theory of continuum mechanics
15:00–15:50	Moubin Liu. A semi-resolved CFD-DEM approach for particulate flows with thermal convection
16:20–17:10	Yury Selyutskiy. Dynamics of pendulum systems in flow

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Friday, November 29 (MIAN, conference hall, floor 9)

	Chairman: Denis Osipov
10:30–11:20	Iskander Taimanov. Central extensions of Lie algebras, dynamical systems, and symplectic nilmanifolds
11:50–12:40	Shuai Guo. Enumerative geometry and integrable hierarchy
	Chairman: Moubin Liu
14:00–14:50	Benshuai Lyu. Application of the Wiener Hopf technique in the modelling of turbulent boundary layer trailing edge noise and supersonic jet screech
15:20–16:10	Sergey Pshenichnov. Waves in inhomogeneous viscoelastic materials