

**Kyiv-Leipzig mini conference
dedicated to the 95th anniversary of A.V. Skorokhod**

STOCHASTIC FLOWS AND COMPLEX DYNAMICAL SYSTEMS

The conference will be held online on **September 9-10, 2025**, via Zoom:
Meeting ID: **858 6657 2427** Passcode: **012129**

Schedule (Kyiv time, UTC+3)

September 9

12:00-12:15	Opening Ceremony Speakers: Max von Renesse, Andrey A. Dorogovtsev, Nasir Ganikhodjaev
Session 1. Chairman: Andrey Pilipenko	
12:15-12:45	Nasir Ganikhodjaev <i>A Limit Theorem for Triangular Arrays Generated by Potts Model</i>
12:45-13:15	Alexander Weiß <i>Strong Feller Regularisation of 1-d Nonlinear Transport by Reflected Ornstein-Uhlenbeck Noise</i>
13:25-13:55	Yana A. Butko <i>Dynamical Foundation of the Fractional Brownian Motion and Related Conditionally Gaussian Models of Anomalous Diffusion</i>
13:55-14:25	Mykola Vovchansky <i>Operator splitting for non-homeomorphic one-dimensional stochastic flows</i>
Break	
Session 2. Chairman: Vitalii Konarovskiy	
15:30-16:00	Yakubdjian Khusanbaev <i>Some remarks on the asymptotics of the critical Galton-Watson branching process with infinite variance</i>
16:00-16:30	Naoufel Salhi <i>Some properties and asymptotics related to the generalized intersection local times of multidimensional Brownian motion</i>

16:30-17:00	Hennadii Navrotskyi <i>Winding number of a Gaussian random field along a closed planar curve</i>
17:00-17:30	Maria Bilozerova <i>SDE with interaction on the Riemann sphere</i>

September 10

Session 3. Chairman: Oleksii Rudenko	
12:00-12:30	Andrey A. Dorogovtsev <i>White noise processes and Ehrenfest model</i>
12:30-13:00	Georgii Riabov <i>Coalescing stochastic flows on metric graphs</i>
13:10-13:40	Andrey Pilipenko <i>Analytic and stochastic description of Brownian motions on star-like graphs</i>
13:40-14:10	Vitalii Konarovskiy <i>A Quantitative Central Limit Theorem for Simple Symmetric Exclusion Process</i>
Break	
Session 4. Chairman: Georgii Riabov	
15:30-16:00	Oleksii Rudenko <i>A necessary and sufficient condition for the existence of joint points of images of the trajectories of several independent Brownian motions on Carnot group</i>
16:00-16:30	Marie-Christin Bormann <i>Some recent results on Brownian motion with sticky-reflecting boundary diffusion</i>
16:30-17:00	Kateryna Kustareva <i>Complexity of compact sets in stochastic flows</i>
17:00-17:30	Kyrylo Kuchynskyi <i>Logarithmic Sobolev Inequality for Stochastic Differential Equations with Interactions</i>