

**Program of the conference “Statistical Mechanics and Applications”
24-28 October 2022 (Dilijan, Armenia)**

Location: UWC College Dilijan, <https://www.uwcdilijan.org/>

Arrival: Sunday, 23 October 2022

Departure: Saturday, 29 October 2022

Monday (24 October)

9:50 – 10:00	<i>Opening</i>
10:00 – 10:55	Benjamin Doyon (Kings College London, UK), The hydrodynamics of many-body integrable systems
11:00 – 11:55	Satya Majumdar (LPTMS, France), Nonintersecting Brownian Bridges in a flat to flat geometry
12:00 – 12:30	<i>Coffee break</i>
12:30 – 13:25	Christophe Texier (LPTMS, France), The generalized Lyapunov exponent for random matrix products of $SL(2, \mathbb{R})$
13:30 – 15:00	<i>Lunch</i>
15:00 – 15:55	Igor Burmistrov (Landau Institute, Russia), Phase diagram of two-dimensional flexible materials: Emergence of Nishimori-like line
16:00 – 16:30	<i>Coffee break</i>
16:30 – 17:25	Hrachya Babujian (Alikhanyan National Scientific Laboratory, Armenia), Quantum nonequilibrium dynamics from Knizhnik-Zamolodchikov equations
17:30 – 19:00	Poster session and free discussion

Tuesday (25 October)

10:00 – 10:55	Anatoly Polkovnikov (Boston University, USA), Defining chaos in Hamiltonian systems through adiabatic transformations
11:00 – 11:55	Ivan Khaymovich (Nordita, Sweden), Instability of delocalized phases to Anderson localization in gain-loss non-Hermitian long-range disordered models

12:00 – 12:30	<i>Coffee break</i>
12:30 – 13:25	Ilya Gruzberg (Ohio University, USA), Anderson transitions and (lost) conformal invariance
13:30 – 15:00	<i>Lunch</i>
15:00 – 15:55	Michael Tamm (Tallinn University, Estonia), Steady state of TASEP with open boundary conditions is determined by the zero of the partition function of 1D lattice gas
16:00 – 16:30	<i>Coffee break</i>
16:30 – 17:25	Alexander Gorsky (IITP, Russia), Dualities in many-body systems and their applications
17:30 – 19:00	Poster session and free discussion
19:00 – 21:00	<i>Dinner</i>

Wednesday (26 October)

Please pay attention that the talk begins at 9:00 but not at 10:00 !

9:00 – 9:55	Vladimir Kravtsov (ICTP, Italy), Spectral and eigenfunction response to variation of random Hamiltonians in the non-ergodic regimes
10:00 – ...	<i>Excursion to the Sevan lake</i>

Thursday (27 October)

10:00 – 10:55	Anton Zabrodin (Skoltech, Russia), Logarithmic gas on a curved contour and Loewner energy
11:00 – 11:55	Vladimir Kazakov (ENS, France), Flows in forests on planar graphs
12:00 – 12:30	<i>Coffee break</i>
12:30 – 13:25	Yan Fyodorov (King's College London, UK), Escaping the crowds: emergent outliers in rank-1 non-normal deformations of GUE/CUE
13:30 – 15:00	<i>Lunch</i>
15:00 – 15:55	Ara Sedrakyan (Alikhanyan National Scientific Laboratory, Armenia), Three dimensional Ising model (3DIM) as a non-critical string theory
16:00 – 16:30	<i>Coffee break</i>

16:30 – 17:25 Sergei Nechaev (LPTMS, France), Devil's staircase and modular invariance: from random operators to phyllotaxis and Hubbard model on a ring

Friday (28 October)

10:00 – 10:55 Baruch Meerson (Hebrew University of Jerusalem, Israel), Fluctuations of “Brownian bees” and of some other N-particle systems

11:00 – 11:55 Alexander Povolotsky (BLTP, JINR, Dubna and HRU HSE Russia), Boundary watermelons in the spanning forests in quiet weather and in the wind

12:00 – 12:30 *Coffee break*

12:30 – 13:00 Artem Alexandrov (MPTI, Russia), On phase transitions and information geometry in Kuramoto model

13:00 – 13:10 *Closing*

13:10 – 15:00 *Lunch*