

Timetable



Symposium will take place according to
Central European Summer Time (CEST/UTC+2:00/GMT+2:00)

IT: Invited Talk

CT: Contributed Talk

FT: Flash Talk

Monday, 27/09

8:45–9:00		Opening Ceremony	
Session 1		<i>Chair: Ewa Gudowska-Nowak</i>	
9:00–9:30	IT	Somrita Ray	Stochastic resetting: When does it accelerate diffusive transport?
9:30–10:00	IT	Trifce Sandev	Resetting dynamics and random search in heterogeneous media
10:00–10:20	CT	Prashant Singh	Extremal statistics for stochastic resetting systems
10:20–10:40	CT	RK Singh	Backbone diffusion and first-passage dynamics in a comb structure with confining branches under stochastic resetting
10:40–11:00	CT	Ofir Tal-Friedman	Experimental realization of diffusion with stochastic resetting
11:00–12:00		Break	
Session 2		<i>Chair: Michał Cieřła</i>	
12:00–12:30	IT	Yuri Tarasevich	Nano-wire based transparent electrodes: a mean-field approach
12:30–12:50	CT	Paweł Karbowiczek	Investigation of ring and star-shaped polymers in confined geometries
12:50–13:10	CT	Reimer Kühn	The Fate of Articulation Points and Bridges in Percolation
13:10–13:30	CT	Nikolai Lebovka	Relaxation of random sequential adsorption packings of discorectangles aligned on a line
13:30–13:50	CT	Anna Danilova	Network analysis of the novel "The Master and Margarita" by M. A. Bulgakov

13:50–13:55	FT	Michał Łepek	Combinatorial approach to modeling coagulation phenomena
13:55–14:00	FT	Andrei Eserkepov	Exact percolation probabilities on plane, cylinder, and torus: site percolation on a square lattice
14:00–16:00 Break			
Session 3		<i>Chair: Nikolai Lebovka</i>	
16:00–16:30	IT	Salvatore Torquato	Disordered Hyperuniform Particle Packings
16:30–16:50	CT	Piotr Kubala	Liquid crystal phases of banana-shaped hard-core molecules composed of balls
16:50–17:10	CT	Robert M. Ziff	Percolation on non-planar lattices
17:10–17:30	CT	Konrad Kozubek	Exploring 2D shape space: the hunt for the densest RSA packings
17:30–17:50	CT	Luca Petrone	Random Sequential Adsorption of Oriented Rectangles with Random Aspect Ratio
17:50–17:55	FT	Agnieszka Chrzanowska	Diffusion of nickel atoms into silver regimes in layered nanostructures-molecular dynamics simulations
17:55–18:00	FT	Prasad V V	Asymptotic tails of 2D Driven Granular Gases



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Session 4		Chair: Trifce Sandev	
9:00–9:30	IT	Alberto Imparato	Critical behaviour of interacting thermodynamic machines
9:30–9:50	IT	Ohad Shpielberg	Thermodynamic uncertainty relations for many-body systems with fast jump rates and large occupancies
9:50–10:10	CT	Krzysztof Ptaszyński	Non-Markovianity boosting the performance of a quantum Otto engine
10:10–10:30	CT	Salambô Dago	Fast is hot: energetics of information erasure and the overhead to Landauer's bound
10:30–10:50	CT	Katarzyna Sznajd-Weron	"Private Truths, Public Lies" within agent-based modeling
10:50–10:55	FT	Seyed Mohsen Jembreil Khadem	Stochastic thermodynamics of anomalous diffusion generated by scaled and fractional Brownian motions
10:55–11:00	FT	Andrzej Krawiecki	The q -neighbor Ising model on multiplex networks with partial overlap
11:00–12:00	Break		
Session 5		Chair: Jakub Barbasz	
12:00–12:30	IT	Maciej Lisicki	Elastohydrodynamics of microscale swimming
12:30–12:50	CT	Denis Grebenkov	Paradigm shift in diffusion-mediated surface phenomena
12:50–13:10	CT	Katarzyna Górska	Integral decomposition for the solutions of the generalized Cattaneo equation

13:10–13:30	CT	Serg Pozdneev	Resonances in Electron Scattering by Molecules
13:30–13:35	FT	Michał Bogdan	Stochastic jetting and dripping in confined soft granular flows
13:35–13:40	FT	Kasper Meerts	Diffraction and interference with run-and-tumble particles
14:00–16:00	Break		
Session 6	<i>Chair: Katarzyna Górska</i>		
16:00–16:30	IT	Paul Bressloff	Accumulation time of stochastic processes with resetting
16:30–16:50	CT	Viktor Stojkoski	Geometric Brownian Motion under Stochastic Resetting: A Stationary yet Non-ergodic Process
16:50–17:10	CT	Marcus Dahlenburg	Random amplitude stochastic resetting
17:10–17:30	CT	Aleksander Stanislavsky	The role of the Laplace distribution in stochastic resetting
17:30–17:50	CT	Dante R. Chialvo	Gut's complexity
17:50–17:55	FT	Ofek Lauber	First passage under restart for discrete space and time
17:55–18:00	FT	Seongyu Park	Bayesian inference of Lévy walks via hidden Markov models: parameter estimation and model classification
18:00–19:00	Poster Session on Gather.town		



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Wednesday, 29/09

Session 7		<i>Chair: Katarzyna Sznajd-Weron</i>	
9:00–9:30	IT	Ralf Metzler	Non-Gaussian statistics in soft & bio-matter
9:30–09:50	CT	Yuval Scher	Unified Approach to Gated Reactions on Networks
09:50–10:10	CT	Oleksandr Kliushnichenko	Epidemic-Driven Collapse in a System with Limited Economic Resource
10:10–10:30	CT	Tal Agranov	Extinctions of coupled populations, and rare event dynamics under non-Gaussian noise
10:30–10:50	CT	Maciej Majka	The mechanics of domain formation in the gene expression profiles
10:50–10:55	FT	Richard Ho	Achieving robustness and precision in the developing spinal cord with system-level feedback
10:55–11:00	FT	Ryszard Wojnar	Collagen as Hopf's fibration
11:00–12:00		Break	
Session 8		<i>Chair: Ralf Metzler</i>	
12:00–12:30	IT	Emmanuel Trizac	Enhancing transport by shaping barriers (beating activation energies)
12:30–13:00	IT	Jakub Spiechowicz	Colossal Brownian, yet non-Gaussian diffusion in a periodic potential
13:00–13:20	CT	Martin Evans	Interacting Persistent Random Walkers
13:20–13:40	CT	Gianni Pagnini	Should I stay or should I go? Zero-size jumps in random walks for Lévy flights
13:40–14:00	CT	Karol Capała	Inertial Lévy flights in bounded domains

14:00–16:00		Break	
Session 9		<i>Chair: Paweł Góra</i>	
16:00–16:30	IT	Tomás S. Grigera	Dynamic crossover in homogeneous active matter
16:30–16:50	CT	Igor Sokolov	Brownian yet non-Gaussian diffusion in models of disordered systems
16:50–17:10	CT	Monika Muszkieta	Simulation and tracking of fractional particles motion. From microscopy video to statistical analysis. A Brownian bridge approach
17:10–17:30	CT	Yann Lanoiselée	Detecting Transient Trapping from a Single Trajectory: A Structural Approach
17:30–17:50	CT	Teodor Buchner	How fast is the ECG signal and why do we need a kinetic theory of conductance
17:50–17:55	FT	Samudrajit Thapa	Leveraging large deviation statistics to decipher the stochastic properties of measured trajectories
17:55–18:00	FT	Jarosław Klamut	The crucial role of inter-trade times in volatility clustering: a continuous-time random walk description
18:00–18:10		Closing Ceremony	