

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

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



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## Tuesday, 28/09

Session 4		Chair: Trifce Sandev	
9:00–9:30	IT	Alberto Imparato	Critical behaviour of interacting thermodynamic machines
9:30–9:50	CT	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	<b>Serg Pozdneev</b>	Resonances in Electron Scattering by Molecules
13:30–13:35	FT	<b>Michał Bogdan</b>	Stochastic jetting and dripping in confined soft granular flows
13:35–13:40	FT	<b>Kasper Meerts</b>	Diffraction and interference with run-and-tumble particles
14:00–16:00	<b>Break</b>		
<b>Session 6</b>	<i>Chair: Katarzyna Górska</i>		
16:00–16:30	IT	<b>Paul Bressloff</b>	Accumulation time of stochastic processes with resetting
16:30–16:50	CT	<b>Viktor Stojkoski</b>	Geometric Brownian Motion under Stochastic Resetting: A Stationary yet Non-ergodic Process
16:50–17:10	CT	<b>Marcus Dahlenburg</b>	Random amplitude stochastic resetting
17:10–17:30	CT	<b>Aleksander Stanislavsky</b>	The role of the Laplace distribution in stochastic resetting
17:30–17:50	CT	<b>Dante R. Chialvo</b>	Gut's complexity
17:50–17:55	FT	<b>Ofek Lauber</b>	First passage under restart for discrete space and time
17:55–18:00	FT	<b>Seongyu Park</b>	Bayesian inference of Lévy walks via hidden Markov models: parameter estimation and model classification
18:00–19:00	<b>Poster Session on Gather.town</b>		



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## Wednesday, 29/09

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

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