

IV Conference of the Italian Society of Statistical Physics - SIFS

MONDAY, JUNE 24th 2024

9:00 - 9:30	Opening
9:30 - 9:50	Federico Battiston - <i>Central European University</i> Explosive cooperation in social dilemmas on higher-order networks
9:50 - 10:10	Aurelio Patelli - <i>CREF</i> Optimal Transport on Economic Complexity Networkxs
10:10 - 10:30	Federica De Domenico - <i>University of Pavia - INFN</i> Imitation vs serendipity in the society
10:30 - 10:50	Davide Venturelli - <i>LTPMC - Sorbonne Université</i> Multifractality in disordered graphs: insights from two random matrix models
10:50 - 11:20	Coffee Break
11:20 - 12:00	Eli Barkai - <i>Bar Ilan University</i> Hitting times for quantum walks and for spin systems
12:00 - 12:20	Giuseppe Fava - <i>Università dell'Insubria</i> Strong Casimir-like Forces in Flocking Active Matter
12:20 - 12:40	Livio Nicola Carenza - <i>Koç University - Physics Department</i> Do active liquid crystals exist after all?
12:40 - 13:00	Emanuele Locatelli - <i>University of Padova</i> Conformation and dynamics of active polymers in bulk and under confinement
13:00 - 14:30	Lunch
14:30 - 14:50	Luca Smaldone - <i>Università degli studi di Salerno</i> Ordering kinetics of the voter model with long-range interactions
14:50 - 15:10	Indaco Biazzo - <i>EPFL</i> Boltzmann Autoregressive Neural Networks
15:10 - 15:50	Claudio Maggi - <i>CNR-Nanotec - Roma</i> Continuous phase transitions in active particles systems
15:50 - 16:20	Coffee Break
16:20 - 16:40	Paolo Baglioni - <i>Università di Parma</i> Probing Kernel Renormalization in finite-width Bayesian Shallow Neural Networks
16:40 - 17:00	Marco Gherardi - <i>Università degli Studi di Milano</i> Universal training dynamics in deep learning
17:00 - 18:30	Assemblea dei Soci della Società Italiana di Fisica Statistica - SIFS Durante questa sessione avrà luogo l'Assemblea dei Soci della SIFS, riservata ai soci della Società.

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TUESDAY, JUNE 25th 2024

9:30 - 9:50	Greetings
9:50 - 10:30	Sergio Ciliberto - <i>ENS-Lyon</i> To be announced
10:30 - 11:40	Coffee Break & Poster Session
11:40 - 12:20	Cesare Nardini - <i>CEA University Paris-Saclay</i> Active Phase Separation
12:20 - 13:00	Angelo Vulpiani - <i>Università Sapienza, Roma</i> Inferring Non-Equilibrium from Incomplete Information
13:00 - 14:30	Lunch
14:30 - 15:10	Julien Barré - <i>Université d'Orléans, France</i> On some bifurcations of Vlasov equation
15:10 - 15:50	Lucilla de Arcangelis - <i>Vanvitelli University</i> Fluctuation-Dissipation Relations for Brain Activity
15:50 - 16:50	Coffee Break & Poster Session
16:50 - 17:30	Andrea Trombettoni - <i>Università di Trieste</i> Criticality and Phase Diagram of Quantum Long-Range Systems
17:30 - 18:10	Antonio Politi - <i>CNR - ISC, Sezione di Sesto Fiorentino</i> Quasi-Hamiltonian dynamics of laser systems
19:15 - 20:15	Aperitif at Cortile dell'Università
20:30	Social dinner at Sala delle Colonne - Palazzo dell'Università

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WEDNESDAY, JUNE 26th 2024

9:30 - 9:50	Danilo Forastiere - <i>Università di Padova</i> Probing the hidden structure of polymer fluids via active microrheology
9:50 - 10:10	Maria Grazia Izzo - <i>Università Ca' Foscari</i> The interplay between liquid-liquid and ferroelectric phase transitions in supercooled water
10:10 - 10:30	Niccolo Cirone - <i>University of Turin</i> The intrinsic dimension of cell differentiation
10:30 - 10:50	Matteo Polettini - <i>Self-employed</i> Minimal (post)modern thermodynamics
10:50 - 11:20	Coffee Break
11:20 - 12:00	Laura Foini - <i>CNRS IPhT Université Paris-Saclay</i> The eigenstate thermalization hypothesis and free probability
12:00 - 12:20	Alessandro Santini - <i>SISSA</i> Quantum Trajectories and Probability Distributions: Uncovering the Dynamics of Monitored Quantum Many-body Systems
12:20 - 12:40	Filiberto Ares - <i>SISSA</i> Entanglement asymmetry and the quantum Mpemba effect
12:40 - 13:00	Lorenzo Buffoni - <i>Università degli Studi di Firenze</i> Qubits together strong: preparation of large high-fidelity qubit registers via cooperative effects
13:00 - 14:30	Lunch
14:30 - 14:50	Colin Rylands - <i>SISSA</i> Nonequilibrium full counting statistics in integrable models
14:50 - 15:10	Massimiliano Semeraro - <i>Università degli Studi di Bari - INFN</i> Work Fluctuations for a Harmonically Confined Active Ornstein-Uhlenbeck Particle
15:10 - 15:30	Andrea Fontana - <i>Università di Napoli "Federico II" - INFN</i> Polymer physics models predict chromatin organization of SARS-CoV-2 infected cells
15:30 - 16:00	Coffee Break
16:00 - 16:20	Flavio Nicoletti - <i>Sapienza Università di Roma</i> Low energy excitations in mean field spin glasses in dense networks
16:20 - 17:00	Ralf Metzler - <i>University of Potsdam</i> To be announced