

4th Workshop on Statistical Physics

Thursday 05 October 2023

Invited Talks - A1 - edificio 564 (9:00-10:00)

-Moderadores: Gabriel Téllez

time	[id] title	presenter
9:00	[13] Exploring the glassy dynamics of the Gaussian core model	Dr CAMARGO, Manuel
9:20	[18] Exploration mechanisms intrinsic to semantic networks and the nuanced appraisal of lexical repetition occurrences	Dr NARANJO MAYORGA, Fernando
9:40	[39] Citizen environmental governance: reconstructing through network analysis the dynamics of the social movement in the Páramo de Santurbán	Dr VILLALOBOS, Gabriel

Invited Talks - A1 - edificio 564 (10:30-11:10)

-Moderadores: Gabriel Villalobos

time	[id] title	presenter
10:30	[30] Distinguishability versus Indistinguishability of Agents in Metapopulation Epidemic Models	Prof. GÓMEZ GARDEÑES, Jesús
10:50	[7] Statistical mechanics of the exchange kinetic models associated with additive and multiplicative stochastic processes	Prof. QUIMBAY HERRERA, Carlos José

Invited Talks - A1 - edificio 564 (14:00-15:20)

-Moderadores: Fernando Naranjo Mayorga

time	[id] title	presenter
14:00	[29] How we move in the city: some results of the analysis of complex mobility networks	Dr LOTERO, Laura
14:20	[46] Urban traffic dynamics through the lens of percolation theory	Dr OLMOS, Luis Eduardo
14:40	[15] Discrete-time random walks with stochastic restart on networks: when resetting becomes advantageous?	Dr PÉREZ RIASCOS, Alejandro
15:00	[16] Emergent properties of chess openings	Prof. HURTADO, Rafael

Friday 06 October 2023

Invited Talks: Invited talks - A1 - edificio 564 (9:00-9:40)

-Moderadores: Juan Gabriel Ramirez

time	[id] title	presenter
9:00	[21] Numerical integration of a class of stochastic differential equations with singular coefficients	Dr ANDRAUS, Sergio
9:20	[10] One-particle engine with a porous piston	Dr ALVAREZ, Carlos

Invited Talks: Invited talks - A1 - edificio 564 (10:30-10:50)

-Moderadores: Jose Daniel Muñoz Castaño

time	[id] title	presenter
10:30	[3] Physical properties driven by phase separation in electron-correlated materials: percolation and avalanches.	Prof. RAMIREZ, Juan Gabriel

Invited Talks: Invited talks - A1 - edificio 564 (11:30-12:10)

-Moderadores: Jose Daniel Muñoz Castaño

time	[id] title	presenter
11:30	[55] Frustration effects on the magnetic behavior of the $\text{Fe}_{(73.5-x)}\text{Cr}_x\text{Cu}_1\text{Nb}_3\text{Si}_{(13.5)}\text{B}_9$ system on the road to percolation	Prof. ROSALES RIVERA, Andrés
11:50	[12] Comparative Analysis of Surface Charge Density in Planar Metallic Layers: Molecular Dynamics and Method of Moments Approach for Long-Range Interactions	Dr SALAZAR, Robert

Invited Talks: Invited talks - A1 - edificio 564 (14:40-15:00)

-Moderadores: Robert Salazar

time	[id] title	presenter
14:40	[38] Work and heat in weakly measured quantum systems: The way you measure matters.	Prof. VIVIESCAS, Carlos

Invited Talks - A1 - edificio 564 (16:00-17:40)

-Moderadores: Carlos Viviescas

time	[id] title	presenter
16:00	[32] Beyond molecular kinetics: statistical physics methods in systems biology	Prof. PEDRAZA, Juan Manuel
16:20	[53] Bayesian analysis of free energies using Cryo-EM particle images	Dr COSSIO, Pilar
16:40	[52] Explaining the complexity of Colombian climate from the non-extensive extremal behavior	Prof. HOYOS, Isabel Cristina
17:00	[54] Determination of the free energy landscape of ultras-small silver clusters with metadynamics and machine learning techniques	Prof. LÓPEZ-ACEVEDO, Olga

17:20	[23] Steady state of a two-species annihilation process with separated reactants	Prof. GÓNZALEZ, Diego Luis
-------	--	-------------------------------