Tuesday, July 11, 2023

		MINOS MAIN HALL	
	Plenary	MAIN CONFERENCE	Tuesday 11
09.00 - 09.40	Kosterlitz J.M.	State Selection in Driven Out of Equilibrium Systems – Noisy Stabilized	Chair
09.40 - 10.20	Aharony A.	The Wilson-Fisher renormalization group after 50 years	Marinari E.
10.20 - 11.00	Kurths J.	Stability of power grid concerning tropical cyclones: Increasing resilience by	
11.00 - 11.30		Coffee break	

		MINOS MAIN HALL			
	Area A	MAIN CONFERENCE	Tuesday 11		
11.30 - 12.00	Łuczka J.	Classical equipartition theorem and its universal quantum counterpart	Chair		
12.00 - 12.30	Spiechowicz J.	Periodic potential can enormously boost free particle transport induced by	Gudowska-Nowak E.		
12.30 - 12.50	Mishra P.	Structures in a 2D colloids interacting via modified inverse-power potentials			
12.50 - 13.10	Nakajima C.	Random Field Ising Model for Random Single Vertex Origami			
13.10 - 13.30	Kalogeropoulos N.	On the origin of the escort distributions			
13:30 - 15.00		Break			
15.00 - 15.30	Gudowska-Nowak E.	Freeness in cognitive science	Chair		
15.30 - 16.00	Hanel R.	About a curious equivalence: Boltzmann Entropy as measure of information	Łuczka J.		
16.00 - 16.20	Chacon-Acosta G.	Fourth-order term effects in the Fick-Jacobs equation for diffusion in narrow			
16.20 - 16.40	Strecka J.	Ising-Heisenberg diamond-decorated square lattice in a magnetic field: exact			
16.40 - 17.00	Gerasimenko V.	On hierarchies of evolution equations for correlations of many quantum			
17.00 - 17.30	Coffee break				
	Special Session 1	Spin glass theory and far beyond			
17.30 - 17.50	Kent-Dobias J.	How to count in hierarchical landscapes: quenched complexity for the	Chair		
17.50 - 18.10	Tonolo T.	Marginal stability in the spherical spin-glass: on the competition between	Ricci-Tersenghi F.		
18.10 - 18.30	Martin-Mayor V.	The mystery of rejuvenation and memory in spin-glasses			
18.30 - 18.50	Paga I.	On the Nature of Memory in spin glasses			
18.50 - 19.10	Moreno-Gordo J.	Numerical study of the six-dimensional Ising spin glass on a field			
19.10 - 19.30	Nicoletti F.	Low energy excitations in vector spin glasses			
19.30 - 19.50	Cammarota C.	Signal reconstruction in rough landscapes: The BBP transition and beyond			

	ARIADNE HALL					
	Area B	MAIN CONFERENCE	Tuesday 11			
11.30 - 12.00	Kovacs I.	Spatial and temporal cluster tomography	Chair			
12.00 - 12.30	Eapen J.	Phonon Modes in Disordered Systems	Hristopulos D.			
12.30 - 12.50	Materassi M.	Irregular space plasmas dynamics: entropy production vs fractality				
12.50 - 13.10	Ettori F.	The Effects of Defects on Mangetization Reversal Processes				
13.10 - 13.30	Pica Ciamarra M. The energy cost of local rearrangements makes glasses solid					
13:30 - 15.00	Break					
15.00 - 15.30	Son C.Y.	Universal dipole correlation in homogeneous bulk and interfacial water	Chair			
15.30 - 16.00	Špička V.	Non-equilibrium dynamics of open systems, fluctuation-dissipation theorems	Palmisano C.			
16.00 - 16.30	Consolini G.	On the nature of space plasma turbulent fluctuations at sub-ion scales:				
16.30 - 16.50	Garzó V.	Shear viscosity of granular mixtures: Assessment of kinetic theories				
16.50 - 17.10	Kadıoğlu S.	Locally driven spin collision battery				
17.10 - 17.30	Coffee break					
	Meeting	MDPI	Tuesday 11			
17.30 - 19.00	Auwerter L.	Entropy Editor Meeting				

PASIPHAE HALL

	Area C	MAIN CONFERENCE	Tuesday 11			
11.30 - 12.00	Ejtehadi M.R.	tehadi M.R. Evolution in spatially heterogeneous environments				
12.00 - 12.30	Saad D.	Message passing for routing and network design in optical communication				
12.30 - 13.00	Serrano M.A.	Renormalization of complex networks				
13.00 - 13.30	Talbot J.	Application of statistical physics to agroecology: an adsorption-desorption				
13:30 - 15.00		Break				
15.00 - 15.20	Alberti T.	The predictable chaos of rare events in complex systems	Chair			
15.20 - 15.40	Annibale A.	Dynamical analysis of sparse Boolean networks	Ejtehadi M.R.			
15.40 - 16.00	Ansell H.	Signatures of universal criticality in the anatomic structure of the brain				
16.00 - 16.20	Qureshi B.	A universal method for analysing copolymer growth				
16.20 - 16.40	Rojas-Ochoa L.F.	Non-gaussian diffusion and long-time correlations in the magnetosphere				
16.40 - 17.00	Bekiaris S.	Small size, high connectance networks – the case of the artistic social				
17.00 - 17.30	Coffee break					
	Workshop 6	Statistical Physics Methods for Power Grids	Tuesday 11			
17.30 - 18.00	Motter A.	Scalable control and observability: Power grids and other large-scale networks	Chair			
18.00 - 18.30	Meyer-Ortmanns H.	Methods of dimensional reduction to assess rare events of blackouts in power	Odor G.			
18.30 - 18.55	Oberhofer U.	Data-driven stochastic modelling of power-grid				
18.55 - 19.20	Rydin Gorjão L.	The complexity of power-grid frequency dynamics – An application in	cation in Chair			
19.20 - 19.45	Odor G.	Non-local synchronization and electric power-grid outages	Beck C.			
19.45 - 20.10	Рарр О.	Study of heterogeneity effects in power grid networks on the community level				

		THESEUS HALL				
	Area A	MAIN CONFERENCE	Tuesday 11			
11.30 - 12.00	Skokos H.	Numerical investigation of spatiotemporal chaos in nonlinear lattice models	Chair			
12.00 - 12.20	Ovchinnikov I.	Dynamics Beyond Statistics and Topological Supersymmetry	Flach S.			
12.20 - 12.40	Paillusson F.	Ergodicity in theory and in practice				
13:00 - 15.00		Break				
	Workshop 3	Complex Networks: Hidden Geometry and Dynamics	Tuesday 11			
15.00 - 15.30	Serrano M.A.	Detecting the ultra low dimensionality of real networks	Chair			
15.30 - 16.00	Eroglu D.	Reconstruction of Complex Networks Dynamics from Data: Emergent	Tadic B.			
16.00 - 16.30	Morozov A.	From networks to spin glasses: Machine learning and statistical inference				
16.30 - 16.50	Biham O.	The distribution of cover times of random walks on random regular graphs				
16.50 - 17.10	CheonT.	Phase transition in urban agglomeration and segregation				
17.10 - 17.30	Coffee break					
17.30 - 18.00	Soresina C.	Cross-diffusion-induced instability on networks	Chair			
18.00 - 18.30	Shapoval A.	Bak-Tang-Wiesenfeld Sandpile as the Mechanism that Generates the	Dankulov M.M.			
18.30 - 18.50	Draskovic-Bracun A.	Acoustic metafluids based on random microstructure networks				
18.50 - 19.10	Moelter J	Preserving Bifurcations through Moment Closures				
19.10 - 19.30	Bertotti M.L.	Innovation diffusion and Bass model on complex networks				

Climate network analysis of extreme events: Tropical Cyclones

19.30 - 20.00 Gupte N.

AMALTHEA HALL

	Area A MAIN CONFERENCE				
11.30 - 12.00	Wada T.	The gradient-flow equations in information geometry: some approaches from	Chair		
12.00 - 12.30	Matsuzoe H.	Invariant and dually flat information geometric structure for deformed	Jizba P.		
12.30 - 12.50	Tuncer A.	Quantum superposition states: Spin-glasses and magnetic classification over			
12.50 - 13.10	Bianucci M.	A generalized definition of cumulants, including operators, to obtain statist			
13:00 - 15.00		Break			
	Workshop 2	Data Science and Econophysics	Tuesday 11		
15.00 - 15.30	Podobnik B.	The new wealth of nations: How STEM fields generate the prosperity and	Chair		
15.30 - 15.50	Briola A.	Dependency structures in cryptocurrency market from high to low frequency	Argyrakis P.		
15.50 - 16.10	Gontis V.	Understanding the nature of memory in the order flow of financial markets			
16.10 - 16.30	Kanazawa K.	Quantitative empirical verification of the Lillo-Mike-Farmer hypothesis for			
16.30 - 16.50	Makowski M.	A special model of risk based on Radon Transform			
17.10 - 17.30	Coffee break				
17.30 - 17.50	Piotrowski E.	The maximum of financial greed for the algorithm of two agents cooperation	Chair		
17.50 - 18.10	Rydin Gorjão L.	Persistence, multifractality, and complexity of the German weather-driven	Gontis V.		
18.10 - 18.30	Araneda A.	A multifractional option pricing formula			
18.30 - 18.50	Loukeris N.	Optima performance on neural and hybrid networks			

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		MINOTAUR HALL				
	Area A	MAIN CONFERENCE	Tuesday 11			
11.30 - 12.00	Tempesta P.	Permutation group entropy: A new route to complexity for real-valued processes	Chair			
12.00 - 12.30	Imparato A.	A quantum thermodynamics approach to optimization in complex systems	Oliveira F.			
12.30 - 12.50	Trombettoni A.	Tilted 1D Bose gases and atomtronics				
12.50 - 13.10	Maynar P.	Dynamics of an inelastic tagged particle under strong confinement				
13:10 - 15.00		Break				
	Workshop 10	Non-Extensive Statistical Mechanics and Kappa Distributions	Tuesday 11			
15.00 - 15.30	McComas D.	The outer heliosphere: A zoo of nonequilibrium plasmas	Chair			
15.30 - 15.55	Gkioulidou M.	On the energization of pickup ions downstream of the heliosheric termination	Yoon P.			
15.55 - 16.20	Elliott H.	Relationships between solar wind parameters				
16.20 - 16.45	Salem C.	New insights on solar wind electrons at 1 AU: Collisionality, heat flux, and				
16.45 - 17.10	Malandraki O.	Unexpected energetic particle observations near the sun by parker solar				
17.10 - 17.30		Coffee break				
17.30 - 18.00	Ho G.	Energetic and suprathermal particle measurement at the inner heliosphere	Chair			
18.00 - 18.25	Balasis G.	Investigation of dynamical complexity in Swarm-derived geomagnetic activity	Dayeh M.			
18.25 - 18.50	Katsavrias C.	Acceleration and loss of relativistic electrons in the outer radiation belt				
18.50 - 19.15	Hoshino M.	Energy partition of thermal and nonthermal particles for a composed				
19.15 - 19.40	Danos G.	Spacecraft "Clusters" for space weather studies				
19.40 - 20.10	Daglis I.	Space weather predictability				