

TUESDAY

	Plenary	MAIN CONFERENCE (Room Kerkira)	Tuesday 11
08.30 - 09.10	Ruffo S.	<i>Out-of-equilibrium physics in spontaneous synchronization</i>	Chair
09.10 - 09.50	Metzler R.	<i>Anomalous diffusion in membranes and cytoplasm of biological cells</i>	Gudowska-N E.
09.50 - 10.30	Mukamel D.	<i>Temperature profile and boundary condition in anomalous heat transport</i>	

	Special Section A1	MAIN CONFERENCE (Room Kerkira)	Tuesday 11
10.30 - 11.00	Coffee break		
11.00 - 11.30	Imparato A	<i>Autonomous thermal motors</i>	Chair
11.30 - 12.00	Dettmann C.	<i>Isolation statistics in temporal spatial networks</i>	Talbot J.
12.00 - 12.30	Toral R.	<i>Scaling of consensus times in the biased-voter model</i>	
12.30 - 13.00	Vallet A.	<i>Semiconductor laser Markov models in the micro-canonical, canonical and....</i>	
13.00 - 13.30	Volmer J.	<i>Time autocorrelations. Slice map and Levy-Lorentz gas</i>	
13.00 - 15.00	Break		

	Area A	MAIN CONFERENCE (Room NAUSICA)	Tuesday 11
10.30 - 11.00	Coffee break		
11.00 - 11.30	Hucht F.	<i>The square lattice Ising model on the rectangle</i>	Chair
11.30 - 12.00	Field T.	<i>Dynamical theory of spin noise and relaxation - Beyond extreme narrowing</i>	Pistone G.
12.00 - 12.20	Fronczak A.	<i>Mixed-order phase transition in a minimal, diffusion based spin model</i>	
12.20 - 12.40	Strecka J.	<i>Strong and weak-universal critical behaviour of a mixed-spin Ising model</i>	
12.40 - 13.00	Vlad M.	<i>Quasi-coherent aspects in turbulent transport</i>	
13.00 - 15.00	Break		

	Area B	MAIN CONFERENCE (Room ITHACA)	Tuesday 11
10.30 - 11.00	Coffee break		
11.00 - 11.30	Boettcher S.	<i>Record dynamics as the origin of aging</i>	Chair
11.30 - 12.00	Hof B.	<i>Percolation transition to turbulence</i>	Spagnolo B.
12.00 - 12.20	Nahas Y.	<i>Emergent Berezinskii-Kosterlitz-Thouless phase in low-dimensional ferroelectrics</i>	
12.20 - 12.40	Schreiber N.	<i>Monte Carlo study of four states four body interaction Potts models</i>	
12.40 - 13.00	Shena J.	<i>Turbulent chimeras in large semiconductor laser arrays</i>	
13.00 - 15.00	Break		

	Area C	MAIN CONFERENCE (Room LEUCAS)	Tuesday 11
10.30 - 11.00	Coffee break		
11.00 - 11.30	Gabrielli A.	<i>Detecting early signs of the 2007-2008 crisis in the world trade</i>	Chair
11.30 - 12.00	Mendes J.	<i>A unified approach to percolation processes on multiplex networks</i>	Mantegna R.
12.00 - 12.20	Collet B.	<i>Random walks on regular networks generated by fractional Laplacian matrices</i>	
12.20 - 12.40	Constantoudis V.	<i>The multiple faces of spatial complexity: From galaxies to cities and to nanostructures</i>	
12.40 - 13.00	Mariani M.	<i>Early identification of significant nodes in growing networks</i>	
13.00 - 15.00	Break		

	Workshop 5	Complexity and self-organization in biology and physiology (Room Krokidis)	Tuesday 11
10.30 - 11.00	Coffee break		
11.00 - 11.25	Lombardi A.	<i>Multidimensional complex measures for functional connectivity analysis</i>	Chair
11.25 - 11.50	Sung J.	<i>Chemical fluctuation theorem for vibrant reaction networks in living cells</i>	Paradisi P.
11.50 - 12.15	Montakhab A.	<i>Refractory period in a network of excitable nodes leads to dynamical stability...</i>	
12.15 - 12.40	Mazzolini A.	<i>How the abundance in the universe of components determines the statistics...</i>	

Special Section A1**MAIN CONFERENCE (Room Kerkira)**

Tuesday 11

15.00 - 15.30	Cao F.	<i>Spatial scales of population fluctuations of two species ecosystems: effects</i>	Chair
15.30 - 16.00	Polettini M.	<i>Marginal time-reversal and effective fluctuation relations</i>	Mejia-M. C.
16.00 - 16.30	Shinagawa R.	<i>Diffusion enhancement of chemically driven molecular motors</i>	
16.30 - 17.00	Vasilyev O.	<i>Survival of a lazy evasive prey: modest effort, high succes</i>	
17.00 - 17.30	Coffee break		
17.30 - 18.00	Ooshida T.	<i>Collective motion of repulsive Brownian particles in single-file diffusion with...</i>	Chair
18.00 - 18.30	Mejia-Monasterio C.	<i>Negative response to an excessive bias by a mixed population of voters</i>	Cao F.
18.30 - 19.00	Talbot J.	<i>Effect of crowding and confinement on first passage processes</i>	

Area A**MAIN CONFERENCE (Room NAUSICA)**

Tuesday 11

15.00 - 15.30	Shimizu A.	<i>Entanglement entropy of nonequilibrium steady states</i>	Chair
15.30 - 16.00	Fagotti M.	<i>Intermediate-time dynamics in out-of-equilibrium spin chains</i>	Ejtehadi M.
16.00 - 16.20	Savvidy G.	<i>Hyperbolic Anosov C-systems. Exponential decay of correlation functions</i>	
16.20 - 16.40	Lee S.	<i>Absorbing phase transition in continuous media</i>	
16.40 - 17.00	Pankratov A.	<i>Noise-induced effects in Josephson junction arrays</i>	
17.00 - 17.30	Coffee break		
17.30 - 18.00	Ejtehadi M.	<i>Continuum equations of active matter based on Gaussian approximation</i>	Chair
18.00 - 18.30	Monasson R.	<i>Emergence of compositional representations in restricted Boltzmann machines</i>	Shimizu A.

Workshop 2**Statistical Physics for the Digital Economy (Room ITHACA)**

Tuesday 11

15.00 - 15.30	Olsen R.	<i>Alpha Engine: designing an automated trading engine</i>	Chair
15.30 - 16.00	Tasca P.	<i>Technical, legal and business challenges faced by Blockchain enabled systems</i>	Aste T.
16.00 - 16.30	Caccioli F.	<i>Excess reciprocity distorts reputation in online social networks</i>	
16.30 - 17.00	Cimini G.	<i>Algorithms for reputation and quality in scientific e-communities</i>	
17.00 - 17.30	Coffee break		
17.30 - 18.00	Mantegna R.	<i>Price discovery and market liquidity at NASDAQ Nordic OMX exchanges</i>	Chair
18.00 - 18.30	Takayasu H.	<i>Transition between Poisson and non-Poisson fluctuations in sales numbers</i>	Livan G.
18.30 - 19.00	Squartini T.	<i>Maximum-entropy models for networks</i>	
19.00 - 19.30	Poledna S.	<i>An empirically calibrated large-scale agent-based model for an entire national...</i>	
19.30 - 20.00	Caldarelli G.	<i>Financial Networks</i>	

Workshop 5**Complexity and self-organization in biology and physiology (Room LEUCAS)**

Tuesday 11

15.00 - 15.25	Oliveira F.	<i>Pattern-non-pattern transition for a nonlocal population dynamics</i>	Chair
15.25 - 15.50	Pankratova E.	<i>Drift velocity of bacterial chemotactic response with two alternating turning...</i>	Metzler R.
15.50 - 16.15	Sevilla F.	<i>The underlying non-equilibrium features of trapped active swimmers</i>	
16.15 - 16.40	Kharcheva A.	<i>Statistical analysis of NIH 3T3 prbroblasts motility</i>	
16.40 - 17.00	Burov S.	<i>Effective potential for cellular size control</i>	
17.00 - 17.30	Coffee break		
17.30 - 17.50	Gaudiano M.	<i>On a cancer discrete-continuous model that explains Peto's paradox</i>	Chair
17.50 - 18.10	Deroulers C.	<i>Oscillations and waves in populations of cells which tend to homeostasis</i>	Paradis P.
18.10 - 18.30	Metzler R.	<i>Gene regulation and facilitated diffusion</i>	
18.30 - 18.50	Ochab-Marcinek A.	<i>Gene regulation as a nonlinear noise filter</i>	
18.50 - 19.10	Buyukdagli S.	<i>Electrostatic correlation-induced like-charge macromolecular attraction</i>	

15.00 - 15.30	McComas D.	<i>Interstellar boundary explorer (IBEX) overview and recent results</i>	Chair
15.30 - 16.00	Pierrard V.	<i>Characteristics of electron velocity distributions in space plasmas</i>	Kucharek H.
16.00 - 16.30	Salem C.	<i>In-situ observations of solar wind electrons: Interplay between thermal core...</i>	
16.30 - 17.00	Wang L.	<i>Solar wind suprathermal electrons</i>	
17.00 - 17.30	Coffee break		
17.30 - 18.00	Chapman S.	<i>Data quantile-quantile plots: model independent quantification of the</i>	Chair
18.00 - 18.30	Vörös Z.	<i>Non-extensive approach to collisionless magnetic reconnection</i>	Fleishman G.
18.30 - 19.00	Dialynas K.	<i>Kappa distributions in Saturn's magnetosphere: a model for the energetic ion....</i>	
19.00 - 19.30	Ogasawara K.	<i>Properties of suprathermal electrons associated with discrete auroral arcs</i>	

20.00 - 22.00

Board Meeting of the NSP-EPS**Nonlinear and Statistical Physics Division of the European Physical Society**