MONDAY

ROOM MINOS

10.30 - 11.30	Welcome address	from the Conference Chairman G. Kaniadakis
	Welcome from the	Local Authorities

Coffee break

ROOM MINOS
Main Section — **CONDENSED MATTER**

12.00 - 12.30	L. Reggiani	Plasmonic noise in nanometric semiconductor layers.	**Chair**
12.30 - 13.00	R. Cuerno	Universal non-equilibrium phenomena at submicrometric surfaces and interfaces.	P.N. Swamy
13.00 - 13.20	N.E. Dubinin	Partial structure factors of the binary liquid metal alloys within the square-well model.	

Lunch

15.00 - 15.30	M. H. Lee	Birkhoff's theorem and ergometer: meeting of two cultures.	**Chair**
15.30 - 16.00	P. N. Swamy	Interacting ensemble of particles in the context of q-deformed algebra.	R. Cuerno
16.00 - 16.20	Y. Efraim	Persistence and survival in reactive-wetting interfaces.	
16.20 - 16.40	E. Klotins	Statistics of competing lattice instabilities and structural transitions in complex oxides.	
16.40 - 17.00	G. Murariu	On the cooling and freezing processes.	
17.00 - 17.20	R. Pirc	Mechanism of polarization freezing in disordered polar dielectrics.	

Coffee break

17.40 - 18.00	A.C. Razzitte	Non equilibrium thermodynamics and entropy generation of ferrites and ferrite-polymer composite materials under electromagnetic field applied.	**Chair** M.H. Lee
18.00 - 18.20	R.T. Sibatov	Fractional differential equation for subrecoil laser cooling.	
18.20 - 18.40	P. Hurtado	Confirmation of the additivity principle for current fluctuations in a model of heat conduction.	
18.40 - 19.00	M.I. Kalinin	On completeness of the description of an equilibrium canonical ensemble by an s-particle distribution function.	

ROOM ARIANNA
Workshop — **SOCIO-ECONO-PHYSICS**

12.00 - 12.30	S. Solomon	The therapy of shock therapy.	**Chair**
12.30 - 13.00	T. Mizuno	Analysis of high-resolution product prices in an online shopping mall.	V. Gontis
13.00 - 13.20	Y. Fujiwara	Large-scale structure of production network and Chain of bankruptcy in Japan.	

Lunch

15.00 - 15.30	D. Volchenkov	The future poverty hiding in cities.	**Chair**
15.30 - 15.50	J.A. Batten	Structure in gold and silver spread fluctuations.	T. Mizuno
15.50 - 16.10	S. Bentes	Stock market volatility: an approach based on Tsallis entropy.	
16.10 - 16.30	V. Gontis	Stochastic modeling of trading activity and volatility in financial markets.	
16.30 - 16.50	P. Klimek	Parkinson's law revisited: Socio-physical investigations on 3 essays.	
16.50 - 17.10	G. Sahin	Time evolution of long-range correlation in the Turkish language using non-corpus parametrization.	

Coffee break

17.30 - 17.50	T.B. Progulova	Topology properties of written human language.	**Chair**
17.50 - 18.10	A. Gabrielli	Invasion percolation and the time scaling behavior of a queueing model of human dynamics.	S. Solomon
18.10 - 18.30	V. Alfi	How people react to a deadline: analysis of the distribution of the registrations to a Conference.	
18.30 - 18.50	D. Challet	Fat tails and long memory in the behaviour of traders and programmers.	

ROOM TESEUS
Simposium — **QUANTUM COMPUTATION AND STATISTICAL MECHANICS**

12.00 - 12.30	M. Weitz	Quantum transport of atoms in optical lattices of variable inversion symmetry.	**Chair**
12.30 - 12.50	J. Inoue	Quantum mean-field decoding algorithm for error-correcting codes.	J. Eisert
12.50 - 13.10	P. Kazakopoulos	Distribution of eigenvalues and scattering data for the NLSE Zakharov-Shabat problem with random Gaussian input.	
13.10 - 13.30	D. Ellinas	Quantization methods and quantum simulations of random walks and of Lie walks.	

Lunch

15.00 - 15.30	P. Talkner	Quantum fluctuation theorems.	**Chair**
15.30 - 15.50	A. Gordillo-Guerrero	First-order transition behaviour in presence of dilution in 3D.	M. Weitz
15.50 - 16.10	D. Mostacci	Quanum Onsager-type equations for Bohm's potential.	

Coffee break

TUESDAY

Plenary Lectures — **ROOM MINOS**

08.30 - 09.15	M. Ausloos	Statistical dynamics of religion evolutions.	**Chair** J. Naudts
09.15 - 10.00	U. Seifert	Stochastic thermodynamics: Theory and experiments.	
10.00 - 10.45	C. Tsallis	On the foundations of statistical mechanics. Additive and nonadditive entropies, central limit theorems, and related matters.	

Coffee break

Main Section — **ROOM MINOS** — **BIOPHYSICS**

11.00 - 11.30	A. Ott	Spontaneous symmetry breaking and criticality during animal development: hydra axis	**Chair** R.K. Niven
11.30 - 12.00	M. Matsushita	Colony formation in bacteria - Experiments and modeling.	
12.00 - 12.20	A. Del Fabbro	VBL: Virtual Biophysics Lab.	
12.20 - 12.40	H. Fogedby	DNA bubble dynamics as a quantum Coulomb problem.	

Lunch

15.00 - 15.20	N. Deo	Genus distributions for extended matrix models of RNA.	**Chair** A. Ott
15.20 - 15.40	A. Gamba	Phase ordering in eukaryotic directional sensing.	
15.40 - 16.10	R. Hanel	Physics of evolution.	
16.10 - 16.30	R.K. Niven	Combinatorial entropies and statistics for particles in indistinguishable states.	

Coffee break

16.50 - 17.10	A.S. de Wijn	Prediction of viscosity of liquid mixtures.	**Chair** H. Fogedby
17.10 - 17.30	C. Degli Esposti B.	Rapidly-converging methods for the location of quantum critical points from finite-size data.	
17.30 - 17.50	A.L. Moustakas	Vector precoding for wireless multi-antenna systems.	
17.50 - 18.10	V. Constantoudis	Material-induced anomalous scaling in the surface roughness of etched films.	

Workshop — **ROOM ARIANNA** — **SOCIO-ECONO-PHYSICS**

11.00 - 11.30	A. Stella	How scaling and market efficiency determine the irreversible evolution of financial indices.	**Chair** D. Challet
11.30 - 12.00	T. Odagaki	Self organization of hierarchy and villages in timid and challenging societies.	
12.00 - 12.20	A.C.R. Martins	Bayesian updating as basis for opinion dynamics models.	
12.20 - 12.40	C.A. Andresen	Correlations between political party size and voter memory: A statistical analysis of opinion poll.	
12.40 - 13.10	G. Caldarelli	Evolution and clustering in the World Trade Web.	

Lunch

15.00 - 15.30	M. Montero	Predator-prey model for stock market fluctuations.	**Chair** A. Stella
15.30 - 15.50	S.S Smyrnaki	Physics and banking.	
15.50 - 16.10	P. Sieczka	Correlations in commodity markets.	

Coffee break

Simposium — **STATISTICAL PHYSICS METHODS IN THE GEOSCIENCES AND ENVIRONMENT SCIENCES**

17.00 - 17.20	G. Bonanno	Univariate and multivariate properties of wind velocity time series.	**Chair** A. Provata
17.20 - 17.40	B. Frigo	A physical-statistical model for snow avalanche release.	
17.40 - 18.00	D.T. Hristopulos	Extending minimum curvature estimators using Spartan spatial random fields.	
18.00 - 18.20	M. Zukovic	Simulations of environmental spatial data using Ising and Potts models.	
18.20 - 18.40	J.H. Cushman	Renormalizing the chaotic dynamics of motile particles in fractal porous media.	

Simposium — **ROOM TESEUS** — **NONEXTENSIVE STATISTICAL MECHANICS**

11.00 - 11.40	A. Rapisarda	Generalized central limit theorem behavior and nonergodic anomalous dynamics in quasi-stationary states of long-range interacting systems.	**Chair** C. Tsallis
11.40 - 12.20	A. Robledo	Definitive answer on the occurrence of a q-deformed statistical-mechanical structure for the dynamics at the Feigenbaum attractor.	
12.20 - 13.00	T.S. Biro	Equilibration of relativistic matter with non-extensive composition rules.	

Lunch

15.00 - 15.40	W. Thistleton	q-Gaussian approximants mimic non-extensive-statistical-mechanical expectation for many-body probabilistic model with long-range correlations.	**Cheir** A. Robledo
15.40 - 16.20	U. Tirnakli	Central limit behavior of one-dimensional discrete dynamical systems.	

Coffee break

16.40 - 17.20	G. Wilk	Nonextensive/dissipative correspondence in relativistic hydrodynamics.	**Chair** A. Rapisarda
17.20 - 18.00	S. Thurner	Generalized-generalized entropies and central limit distributions.	
18.00 - 18.15	S. Duarte Queiros	Nonextensive model for variables with longlasting correlations in magnitude.	
18.15 - 18.30	G. Ruiz	Nonextensivity at the edge of chaos of a new universality class of one-dimensional unimodal dissipative maps.	
18.30 - 18.45	Z. Wlodarczyk	Uncertainty relations in terms of Tsallis entropy.	

18.30		**POSTER SECTION A**	**Chair** D. Mostacci

WEDNESDAY

Plenary Lectures — **ROOM MINOS**

09.30 - 09.50	**CEREMONY: Founding declaration, SigmaPhi2011**		
09.50 - 10.00	A. Coniglio	A brief summary of G. Parisi's work, in respect to his 60 th birthday	**Chair**
10.00 - 10.45	G. Parisi	Replica approach to glass transition and jammed states of hard spheres.	N. Sourlas

Coffee break - (Photo Conference)

ROOM MINOS

Main Section — **Celebrative session in honor of 60th birthday of G. Parisi**

11.00 - 11.30	P. Nordblad	Exchange bias in spin glasses and nanoparticle systems.	**Chair**
11.30 - 11.50	J. Sienkiewicz	Scaling of clusters in a one-dimensional system.	N. Sourlas
11.50 - 12.10	Y. Saika	Bayes inference to the problem of inverse-halftoning based on statistical mechanics of the q-Ising model.	
12.10 - 12.30	P. Sen	Dynamic frustration and persistence in spin systems.	
12.30 - 13.00	T. Deguchi	The SI(2) loop algebra symmetry of the XXZ spin chains at toots of unity, higher-spin XXZ correlation functions and their applications to the superintegrable chiral Potts model.	

Lunch

15.00 - 15.30	G. Morriss	Lyapunov modes for nonequilibrium systems.	**Chair**
15.30 - 15.50	G.A.P. Ribeiro	Thermodynamics of alternating spin chains.	P. Nordbald
15.50 - 16.10	M. Gitterman	The phase diagram of a bilayer Ising model.	
16.10 - 16.30	Y. Levin	Collisionless relaxation in non-neutral plasmas and gravitational systems.	
16.30 - 17.00	J. Vala	Topological phases in the Kitaev honeycomb lattice model on torus.	

Coffee break

17.20 - 17.40	M. Rajkovic	Multifractal and non-extensive analysis of magnetic confined plasma turbulence.	**Chair**
17.40 - 18.00	C. Loverdo	Intermittent search strategies.	J. Sienkiewicz
18.00 - 18.20	G. Sierra	An exactly solvable of $p+ip$ wave superconductivity.	

ROOM ARIANNA

Workshop — **NETWORK**

11.30 - 11.55	A.T. Lawniczak	Analysis of packet traffic in a data network model under normal traffic conditions & under distributed denial-of-service attack.	**Chair** M. Bogunà
11.55 - 12.25	N.M. Gupte	Statistical characterisers of transport in a communication network.	
12.25 - 12.55	J.F.F. Mendes	Structural properties of complex networks.	

Lunch

15.00 - 15.30	S.S. Manna	International Trade network, structure and properties.	**Chair**
15.30 - 15.55	T. Nishikawa	Networks of optimal synchronizability.	J.F.F. Mendes
15.55 - 16.25	G. Palla	Social group dynamics in networks.	
16.25 - 16.55	J. Saramaki	Emergence of communities in social networks.	

Coffee break

17.15- 17.40	A. Pluchino	Modules recognition in complex networks by dynamical clustering algorithms based on different oscillators systems.	**Chair** G. Palla
17.40 - 18.05	J.I.L. Miguéns	Global positioning of central traveler destinations.	
18.05 - 18.35	M. Bogunà	Navigability of complex networks.	

ROOM TESEUS

Simposium — **NONEXTENSIVE STATISTICAL MECHANICS**

11.00 - 11.40	P.-H. Chavanis	Kinetic theory of 2D point vortices from a BBGKY-like hierarchy.	**Chair**
11.40 - 12.20	M.P. Leubner	Entropy duality in nonextensive statistics.	S. Abe
12.20 - 12.35	H. Suyari	Generalized dimension D_q and Tsallis entropy S_q derived from the nonlinear differential equation $dy/dx = y^q$	
12.35 - 12.50	G.C. Yalcin	q-Gaussian analysis of the transient current through Al-PMMA-Al thin films.	

Lunch

Simposium — **SUPERSTATISTICS**

15.00 - 15.40	C. Beck	Superstatistics: An overview on theoretical approaches and recent applications.	**Chair**
15.40 - 16.20	S. Abe	Conditional approach to superstatistics and generalized thermodynamics.	P. Jizba
16.20 - 17.00	H. Touchette	Classifying superstatistics.	

Coffee break

17.20 - 18.00	A.Y. Abul-Magd	Random-matrix theory within superstatistics.	**Chair**
18.00 - 18.20	P. Jizba	Superpositions of probability distributions.	C. Beck
18.20 - 18.40	P. Paradisi	Superstatistics and renewal critical events.	

20.30 — **GALA DINNER**

THURSDAY

Plenary Lectures — **ROOM MINOS**

08.30 - 09.15	N. Sourlas	Scale invariance and self-averaging in disordered systems.	**Chair** D.J. Evans
09.15 - 10.00	A. Coniglio	Dynamical heterogeneities in glasses, gels and granular media.	
10.00 - 10.45	J.P. Boon	Generalized diffusion: a microscopic approach.	

Coffee break

ROOM MINOS

Main Section — **Uder the auspices of EPS**

11.00 - 11.30	H. Hinrichsen	Boundary-induced nonequilibrium phase transitions into absorbing states.	**Chair** J.P. Boon
11.30 - 12.00	A. Hansen	Statistical physics of steady-state two-phase flow in porous media.	
12.00 - 12.30	E. Barkai	Weak ergodicity breaking.	
12.30 - 13.00	F. Bouchet	Out of equilibrium phase transitions of two dimensional	

Lunch

LONG RANGE INTERACTIONS

15.00 - 15.30	M. Joyce	Dynamics of finite and infinite self-gravitating systems.	**Chair** H. Hinrichsen
15.30 - 16.00	D. Fanelli	Quasi stationary states and out of equilibrium phase transitions in mean field dynamics.	
16.00 - 16.30	N.B. Wilding	Wetting transitions in polydisperse fluids.	

Coffee break

16.50 - 17.10	F. Leyvraz	Spontaneous reversal of irreversible processes in a many-body Hamiltonian evolution.	**Chair** M. Joyce
17.10 - 17.30	Y. Christodoulides	Classification of Darboux polynomials for three dimensional Lotka-Volterra systems.	
17.30 - 17.50	D.A. Kessler	Novel exponents control the quasi-deterministic limit of the extinction transition.	
17.50 - 18.10	B. Kaulakys	Modeling scaled processes by the nonlinear stochastic differential equations.	

ROOM ARIANNA

Workshop — **NETWORK**

11.00 - 11.30	B. Tadic	Collective charge fluctuations in single-electron processes on nano-networks.	**Chair** M.A. Serrano
11.30 - 11.55	F. Vazquez	Absorbing phase transitions in coevolving networks.	
11.55 - 12.25	C. Pennetta	Tuning the correlation decay of resistance fluctuations in multi-species networks: From power-law to exponential decay of correlations.	
12.25 - 12.55	S. Fortunato	Detecting the overlapping and hierarchical community structure of complex networks.	**Chair**

Lunch

15.00 - 15.25	E. Bompard	Electric power grids as complex networks.	**Chair** T. Nishikawa
15.25 - 15.55	B.J. Kim	Dynamic behaviors in directed networks: Synchronization and opinion dynamics.	
15.55 - 16.25	M.A. Serrano	Self-similarity of complex networks and hidden metric spaces.	

Coffee break

16.45 - 17.15	K. Zyczkowski	Why square root? Statistical physics and voting in European	**Chair** C. Pennetta
17.15 - 17.40	S. Stramaglia	Analysis of dynamical networks by Granger causality.	
17.40 - 18.10	R. Vicente	Collective dynamics of interacting neural networks in competition.	

ROOM TESEUS

Simposium — **FISHER INFORMATION AND GEOMETRY**

11.00 - 12.00	A. Ohara	Geometric aspects and the Legendre structure of generalized entropies.	**Chair** F. Topsoe
12.00 - 12.30	J. Naudts	Fisher's information metric in the context of generalised entropies.	
12.30 - 13.00	P. Jizba	On role of information theoretic uncertainty relations in quantum theory.	

Lunch

15.00 - 15.20	J. Sladkowski	A model of subjective supply-demand: the minimum Fisher information solution.	**Chair** J. Naudts
15.20 - 15.40	G. Pistone	Maximal exponential models on Gaussian spaces.	
15.40 - 16.00	F. Topsoe	Interaction as the key to non-extensive statistical physics.	

Coffee break

Simposia — **TRANSPORT IN GASES OF COLD ATOMS**
NONLINEAR KINETICS

16.20 - 16.50	F. Schurrer	Kinetic effects on the transport properties of nanostructured devices investigated by deterministic solutions of the Boltzmann-Poisson system.	**Chair** P.-H. Chavanis
16.50 - 17.20	M. Groppi	Shock waves in reactive mixtures.	
17.20 - 17.40	D.K. Callebaut	Exact solutions for the generalized Fokker-Planck equation modeling magnetic field diffusion in magnetohydrodynamics including Hall current.	
17.40 - 18.00	A. Rossani	Distribution functions for charged particles interacting, elastically and/or inelastically, with medium and subjected to an electric field.	
18.00 - 18.20	T. Wada	Asymptotic solutions of a nonlinear diffusive equation in the framework of k-generalized statistical mechanics.	
18.20 - 18.40	A.R. Kolovsky	Conductivity with cold atoms.	

18.40		**POSTER SECTION B**	**Chair** E. Miraldi

FRIDAY

Plenary Lectures — **ROOM MINOS**

08.30 - 09.15	D.J. Evans	Glass as a time independent non-dissipative nonequilibrium nonergodic state.	**Chair** A. Coniglio
09.15 - 10.00	L. Pietronero	Agent based models for economics: stylized facts and their self-organization.	
10.00 - 10.45	Z. Burda	Adaptive networks in a simple model of economy.	

Coffee break

ROOM MINOS

Main Section

11.00 - 11.30	P. Hanggi	Quantum Brownian motion, entropy and the third law of thermodynamics.	**Chair** M. Kastner
11.30 - 12.00	Q.A. Wang	Variational principles in physics: from regular to irregular statistical dynamics.	
12.00 - 12.30	H.S. Wio	Interplay between chaos and external noise in an extended system: intrinsic stochastic resonant phenomena.	
12.30 - 13.00	W. Schroer	Criticality and corresponding states in ionic systems.	
13.00 - 13.20	G. Augello	Noise-induced phenomena in transient dynamics of short and long Josephson junctions.	

Lunch

15.00 - 15.20	R.C. Alamino	GF(q) sparse random matrices: Some properties via statistical physics.	**Chair** R. Tonelli
15.20 - 15.40	C. Anteneodo	Critical scaling in standard biased random walks.	
15.40 - 16.00	M. Kastner	Energy landscapes and their relation to thermodynamic phase transitions.	
16.00 - 16.20	A.B. Kolomeisky	Molecular motors interacting with their own tracks.	
16.20 - 16.40	K. Kulakowski	The norm game –- how a norm fails.	
16.40 - 17.00	P. Faccioli	Dominant reaction pathways in high dimensional systems.	
17.00 - 17.20	M. Ha	Instability transition and ensemble equivalence in diffusive flow.	

Coffee break

ROOM ARIANNA

Workshop — **NETWORK**

11.00 - 11.30	P. McGraw	Bridging structure and function via network spectral properties.	**Chair** B. Tadic
11.30 - 12.00	N. Masuda	Emergence of feedforward networks and entrainment in oscillator networks via a biological synaptic plasticity rule.	
12.00 - 12.25	A. Chmiel	Scaling of human behaviour in the World Wide Web.	
12.25 - 12.55	D. Kim	Synchronization and Laplacian spectra on weighted random networks.	
12.55 - 13.15	A.L. Moustakas	Vector precoding for wireless multi-antenna systems.	

Lunch

Main Section

15.00 - 15.20	K. Martens	Designer patterns: Encoding information into precipitation structures.	**Chair** Q.A. Wang
15.20 - 15.40	J. Raymond	Composite CDMA - A statistical mechanics analysis.	
15.40 - 16.00	K. Tsekouras	Inhomogeneous coupling in two-channel asymmetric simple exclusion processes.	
16.00 - 16.20	P. Vàn	Thermodynamics of relativistic fluids.	
16.20 - 16.40	R. Voituriez	First-passage times in complex scale invariant media.	
16.40 - 17.00	T. Yanagita	Analysis of chaotic dynamical system by extended ensemble Monte Carlo	

Coffee break

ROOM TESEUS

Simposia — **NONLINEAR KINETICS**

11.00 - 11.20	E.M.F. Curado	Dynamical analyses of normal and anomalous diffusion in nonlinear Fokker-Planck equations.	**Chair** F. Schurrer
11.20 - 11.40	F.D. Nobre	Time evolution of q-Gaussians in the linear and nonlinear diffusion equations.	
11.40 - 12.00	A. Veksler	Generalized fractional Fokker-Planck equation for anomalous diffusion: The Gaussian statistics recovered.	
12.00 - 12.20	A. Provata	Nonlinear kinetics on lattice with long-range diffusion.	
12.20 - 12.40	D. Valenti	Dynamics of three interacting species in single compartment and in spatially extended.	

Lunch

Poster Section A

(Posters will be exposed in the hall from Tuesday 08.30 to Wednesday 14.00)

K. Atak	Nonlinear time series analysis of the current through PEG-Si thin films under varying relative humidity.
L. Bellomonte	A stochastic approach to quantum statistics distributions: Theoretical derivation and Monte Carlo modelling.
L. Bellomonte	A statistical description of the human a-wave ERG component.
S. Bentes	Long-range interactions: An econometric approach based on stock market indexes.
F. Borgogno	Mean first passage times for stochastic models of eco-hydrological systems.
D.K. Callebaut	Solutions for the generalized (2+1) dimensions Fokker-Planck equation.
A. Carbone	The Hurst exponent of high-dimensional fractals.
H. Bingol	Extension of recommendation model to dynamic population.
H. Bingol	Emergence of fame in ethnicially diverse populations.
F. Clementi	The *k* -generalized model of income distribution.
V. Constantoudis	Nonlinear statistical analysis of natural language written texts.
M. Coraddu	Anomalous enhancement in low energy fusion rates: The role of ion statistical distribution.
P. Delaurenti	Multivariate statistical data analysis of analog signals applied to electromagnetic object identification.
R.R. Deza	Fluctuation theorems from nonequilibrium Onsager–Machlup theory for a Brownian particle in a time-dependent anharmonic potential.
S.M. Duarte Queiros	Superstatistical multiplicative-noise processes.
A. El Kaabouchi	A mathematical structure for the generalization of the conventional algebra.
C. Eom	Statistical properties of information flow in financial time series.
P. Ferreira	The entropic analysis of electoral results: the case of European countries.
H. Fogedby	Growth and pattern formation in the Kardar-Parisi-Zhang equation.
P. Formosa	An analysis of diffusion and juxtacrine signalling for embryonic pattern formation.
N. Foroozani	The photon-atom entanglement dynamics of the Lambda-type atoms in photonic crystal nano-cavities.
R. Fujie	Self organization of social hierarchy and village in a democratic challenging society.
N.G. Fytas	A comparative study of the effects of quenched bond randomness in 2D spin models.
B.R. Gadjiev	Disorder and critical phenomena.
M. Ha	Anomalous scaling behavior in polymer thin film growth.
P. Hui	A complex network approach to human mobility modeling.
A.K. Karlis	The simplified Fermi-Ulam accelerator revisited.
J.M. Kim	Restricted curvature model and restrited-solid-on-solid model with conserved noise.
K. Kim	Dynamical structure of a financial cross-correlation matrix under attacks.
G. Kocsis	Spreading of innovations in socio-economic systems.
I. Kourakis	Highly localized nonlinear excitations in crystalline charged-particle configurations.
G. Lapenta	Relaxation of relativistic plasmas under the effect of wave-particle interactions.
A.T. Lawniczak	PCA and wavelet PCA analyse of packet switching network traffic.

Poster Section B

(Posters will be exposed in the hall from from Wednesday 14.00 to Thursday 19.30)

A.T. Lawniczak	Wavelet-domain statistics of packet switching networks near traffic congestion.
J.-S. Lih	Power-law scaling in human balance control.
C.-H. Lin	Experimental evidence of phase synchronization between two coupled Chua circuits.
M. Lissia	Symbolic dynamics at the threshold of chaos.
G. Livadiotis	Non-Euclidean normed statistical mechanics.
U. Lucia	Hydrodynamic cavitation: from theory towards a new experimental approach.
K. Malarz	Magnetic hysteresis loops of Ising spin systems with long-range interaction.
E. Marras	Pondering over protein-protein interactions.
S. Masukura	Jamming transitions induced by a slow vehicle in two-lane traffic flow.
S. Mechkov	Contact line stability of ridges and drops.
E. Miraldi	Analysis of the statistical distributions of the frequency components of stable sinusoidal signals sampled with a digital oscilloscope.
D. Mostacci	A transport theory approach to percolation of liquids through porous media.
G. Murariu	On the analysis of the climatic factors influences.
P. Narayana Swamy	Two dimensional gas of Bosons or Fermions in the context of q -deformed algebra.
T. Odagaki	Glass transition in a monoatomic simple liquid.
S.K. Oh	A closer look at linear response theory via an exactly solvable model of classical spins in a time-dependent rotating magnetic field.
T. Oikonomou	Derivation of the Tsallis, Rényi and Nonextensive Gaussian entropy from deformed multinomial coefficients.
A.I. Olemskoi	Non-extensivity parameter of self-similar statistical system.
M. Rajkovic	Simplicial complexes from networks: static and dynamic aspects.
R. Safaiee	Effects of quantum dot characteristics on the electronic spin-subbands states entanglement.
A. Sakata	A statistical mechanical study of evolution of robustness under noisy environment.
Y. Sano	Statistical properties of number fluctuations observed in Internet blog keywords.
A.M. Scarfone	Gauss' law of error revisited in the framework of Sharma-Taneja-Mittal information measure.
I.A. Shuda	Noise induced Hopf bifurcation.
J. Sladkowski	A model of subjective supply-demand: the maximum Boltzmann/Shannon entropy solution.
R. Tonelli	Pesin identity at the edge of chaos: Averaging on single trajectories vs ensemble averages.
J. Velàzquez	Generating function approach to thermodynamics based on time averages.
E. Van der Straeten	Superstatistical distributions from maximum entropy principle.
D. Valenti	Stochastic modeling of imatinib-treated leukemic cell dynamics.
T. Wada	Generalized log-likelihood functions and Bregman divergences.
F. Xue	Assessment of structural vulnerability of power grids by network performance based on complex networks.
T. Yabuki	Evaluation of pedodiversity in terms of generalized entropy.
K. Zyczkowski	Random quantum operations.