Monday

Time	Parallel 1 / Kerkyra Ballroom		Parallel 2 / Lefkas	
8:30	**Plenary 1: Philip Maini, Modelling cell movement dynamics in biology**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.09 Advanced Time-Series Analysis: Novel tools for Studying Dynamical Networks and Complex Systems 1/1**		**MS.10 Front Evolution in Active Fluid Flows 1/2**	
	MS.09.01 Macroscopic reliability of high-dimensional chaos in recurrent neural Networks	Hiromichi Suetani	MS.10.01 Experimental studies of reaction front barriers in laminar flows	Tom Solomon
	MS.09.02 Network inference from time-series measurements	Nicolás Rubido	MS.10.02 Calcium Carbonate Mineralization in a Confined Geometry	Gabor Schuszter
	MS.09.03 Inferring Network Connectivity From Time Series	Jose Casadiego	MS.10.03 Selection of Frozen Fronts in simple flow and Avalanches Dynamics in Reaction Fronts in Disordered Flow	Laurent Talon
	MS.09.04 Time-series similarity analysis of coupled nonlinear oscillators and application to climate data	Cristina Masoller	MS.10.04 Effective dimensions and chemical transients in closed fluid flows	György Károlyi
12:00	MS.09.05 Using delay coordinates for specifying non-observable and redundant model parameters	Ulrich Parlitz	MS.10.05 Optimal stretching for growth in reaction-diffusion-advection systems	Douglas H. Kelley
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
13:30	**Plenary 2: Jan Sieber, Tracking unstable phenomena in experiments and complex simulations**			
	COFFEE BREAK 14:30-15:00		**COFFEE BREAK 14:30-15:00**	
15:00	**MS.11 Data-based Methods for Complex Dynamical Systems 1/2**		**MS.10 Front Evolution in Active Fluid Flows 2/2**	
	MS.11.01 On the Computation of Attractors for Delay Differential Equations	Michael Dellnitz	MS.10.06 Burning Lagrangian Coherent Structures and pattern formation in advection-reaction-diffusion dynamics	Kevin Mitchell
	MS.11.02 A spectral clustering approach to coherent Lagrangian vortex detection	Daniel Karrasch	MS.10.07 Chemically Induced Finger Instabilities	A. P. Muñuzuri
	MS.11.03 Matching algorithms for sampling in multiscale simulations	Keith Myerscough	MS.10.08 Three-dimensional convection-driven fronts in autocatalytic systems	Dezso Horváth
	MS.11.04 The design of numerical methods for statistical simulation in high-dimensional dynamical models	Ben Leimkuhler	MS.10.09 Harmful algal blooms: combining excitability, competition and hydrodynamic flows	Ulrike Feudel
17:00	MS.11.05 Spectral analysis of flows using radial basis functions	Oliver Junge	MS.10.10 Dynamics of dilute and dense bacterial suspensions under flow	Roberto Rusconi
	COFFEE BREAK 17:00-17:30		**COFFEE BREAK 17:00-17:30**	
17:30	**MS.11 Data-based Methods for Complex Dynamical Systems 2/2**		**MS.08 Consistency and Chaos in Complex Photonic Systems**	
	MS.11.06 Tensor-based data-driven analysis of complex dynamical systems	Stefan Klus	MS.08.01 Reservoir computing based on consistency of a semiconductor laser driven by a chaos mask signal	Atsushi Uchida
	MS.11.07 Detecting coherent sets with spacetime diffusion maps	Ralf Banisch	MS.08.02 Consistency in Chaotic Systems Driven by Time-Delayed Feedback	Thomas Jüngling
	MS.11.08 Transfer Operator Families and Coherent Sets	Andreas Denner	MS.08.03 Global and cluster synchronization in multi-nodal semiconductor laser network	Apostolos Argyris
	MS.11.09 Coherent Families: Spectral Theory for Transfer Operators in Continuous Time	Peter Koltai	MS.08.04 Quantitative relationship between phase response and chaos bandwidth enhancement in semiconductor lasers subject to optical feedback and Injection	Romain Modeste Nguimdo
19:30	MS.11.10 Information barriers and robustness of reduced-order models, with application to optimal control of diffusions	C. Hartmann	MS.08.05 Photonic memories using time-delayed neuromorphic optoelectronic resonators	Bruno Romeira

Time	Parallel 3 / Ithaka		Parallel 4 / Krokidis	
8:30	**Plenary 1: Philip Maini, Modelling cell movement dynamics in biology**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
	Session: Chaos		**Session: Neurodynamics 1/2**	
10:00	OC.005 Farey sequence and the largest Lyapunov exponent analysis in the ac driven Frenkel-Kontorova model	Jasmina Tekić	OC.001 Hub dynamics in complex networks	Jeroen Lamb
	OC.008 Frobenius–Perron eigenstates for asymmetric backscattering in deformed microdisk cavities	Julius Kullig	OC.007 Auditory neural burst formation through spike synchronization in the cochlea	Rolf Bader
	OC.016 Studies on integrability using higher variational equations, and applications	Sergi Simon	OC.084 Colored noise as a driver of epileptiform dynamics in a mesoscopic neuronal model	Maciej Jedynak
	OC.044 Spiral wave chaos: Tiling, local symmetries, and asymptotic freedom	Roman Grigoriev	OC.085 Causal connectome of the human brain: how do the large-scale networks communicate?	Natalia Bielczyk
12:00	OC.043 Kuramoto-Sakaguchi model as an extended system : chimera, puffs and spatio-temporal intermittency	Yohann Duguet	OC.086 Investigating visual working memory in epileptic children with use of Spectral Granger Causality	Foteini Protopapa
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
	Plenary 2: Jan Sieber, Tracking unstable phenomena in experiments and complex simulations			
	COFFEE BREAK 14:30-15:00		**COFFEE BREAK 14:30-15:00**	
15:00	**Session: Nonlinear Dynamics/Bifurcation Theory 1/2**		**Session: Complex Networks 1/3**	
	OC.059 "Backbones" in the parameter plane of the Hénon map	Laura Tedeschini Lalli	OC.014 Multistability of Phase-Locking and Topological Winding Numbers in Locally Coupled Kuramoto Models	Robin Delabays
	OC.094 Numerical methods for quasi-conservative systems	Corrado Falcolini	OC.021 Jittering regimes in rings of pulse oscillators with delayed coupling	Vladimir Klinshov
	OC.069 Bifurcation bridges in semiconductor ring lasers subject to delayed optical feedback	GaetanFriart	OC.041 Network Inference in the Presence of Latent Confounders: The Role of Instantaneous Causalities	Helen Shiells
	OC.070 Extreme orbits: the key of the global organization of complex sets in the parameter space	Rene O. Medrano-T	OC.062 Vortex Currents in High Voltage AC Power Grids	Philippe Jacquod
17:00	OC.006 Influence of Hopf bifurcations on the external cavity modes for a laser subject to phase-conjugate feedback	Lionel Weicker	OC.009 Chaos synchronization by resonance of multiple delay times	Wolfgang Kinzel
	COFFEE BREAK 17:00-17:30		**COFFEE BREAK 17:00-17:30**	
	Session: Biophysics 1/2		**Session: Nonlinear Dynamics/Bifurcation Theory 2/2**	
17:30	OC.054 The impact of the newly licensed dengue vaccine in endemic countries	Maíra Aguiar	OC.053 Dynamics of second-order equation with large delay	Ilia Kashchenko
	OC.092 Stochastic Dynamics of Cancer Growth and Mutations: Modeling Lung Cancer Data	Marek Kimmel	OC.096 Self-coupling in the FitzHugh-Nagumo model in the limit of short time-delays	Philipp Hoevel
	OC.083 Asymptotic Analysis of a Target Mediated Drug Disposition Model: Algorithmic and Traditional Approaches	D. G. Patsatzis	OC.097 Unstable modes in bounded slow manifolds	Dimitris Manias
	OC.099 Agent-based modeling, forecasting and control of the Ebola Epidemic in Liberia and Sierra Leone	Costas Siettos	OC.042 Asymptotic stability criteria	Alexander P. Krishchenko
			OC.103 On Control-Based and Equation-Free Continuation	Jens Starke
19:30			OC.047 Transition States and Invariant Manifolds	Thomas Bartsch

Tuesday

Time	Parallel 1 / Kerkyra Ballroom				Parallel 2 / Lefkas			
8:30	**Plenary 3: Jurgen Vollmer, Breaking Universality in Non-Equilibrium Statistical Physics**							
	COFFEE BREAK 9:30-10:00				**COFFEE BREAK 9:30-10:00**			
10:00	**MS.03 Structure and Dynamics of Future Energy Systems: Power Grids as Complex Dynamical Systems 1/2**				**MS.06 Reservoir Computing and Laser Dynamics**			
	MS.03.01 Design of a simplified highly renewable European electricity system - challenges for system engineering, applied mathematics and physics of complex networks	Martin Greiner			MS.06.01 Physical reservoir computing from a dynamical systems point of View	Kohei Nakajima		
	MS.03.02 Synchronization stability and control in power-grid networks	Takashi Nishikawa			MS.06.02 Efficient signal processing in random networks that generate variability in contrast to externally generated variability	Taro Toyoizumi		
	MS.03.03 Statistical Physics for Power Grids	Antonio Scala			MS.06.03 Reservoir Computing with Photonic Delay Systems	Miguel Cornelles Soriano		
	MS.03.04 Prediction, detection and spreading of failures in supply networks	Dirk Witthaut			MS.06.04 Brain-inspired processors based on lasers with Optical Feedback	Romain Modeste Nguimdo		
12:00								
	LUNCH BREAK 12.00-13.30				**LUNCH BREAK 12.00-13.30**			
13:30	**Plenary 4: Dimitris Kugiumtzis, Complex networks from multivariate time series: estimation and limitations**							
	COFFEE BREAK 14:30-15:00				**COFFEE BREAK 14:30-15:00**			
15:00	**MS.03 Structure and Dynamics of Future Energy Systems: Power Grids as Complex Dynamical Systems 2/2**				**Session: Complex Networks 3/3**			
	MS.03.05 Reducing Complexity in Energy System Optimizations with High Shares of Renewables	Tom Brown	OC.046	Identifying Dynamical Instabilities in Supply Networks Using Generalized Modelling		Daniel Ritterskamp		
	MS.03.06 Impact of intermittent feed-in uctuations on the dynamics of power grids	Katrin Schmietendorf	OC.082	Dynamics and Thermodynamics of Chemical Reaction Network		Riccardo Rao		
	MS.03.07 Forecasting the electricity balancing markets volumes and sizes in presence of a high share of renewable energy sources	Mario Mureddu	OC.023	Information Spread in Networks: Search Engines vs. Word-of-Mouth		Alon Sela		
	MS.03.08 Stability Measures for High-Dimensional Multi-Stable Systems	Paul Schultz	OC.048	Robustness of oscillatory behavior in correlated networks		Juan A. Almendral		
17:00	MS.03.09 Taming Instabilities in Power Grid Networks by Decentralized Control	Benjamin Schäfer	OC.066	Improving Network Inference of Oscillatory Systems: A Novel Framework To Reliably Identify the Correct Class Of Network		Gloria Cecchini		
	COFFEE BREAK 17:00-17:30				**COFFEE BREAK 17:00-17:30**			
17:30	**POSTER SESSION**							
19:30								

Time	Parallel 3 / Ithaka				Parallel 4 / Krokidis			
8:30	**Plenary 3: Jurgen Vollmer, Breaking Universality in Non-Equilibrium Statistical Physics**							
	COFFEE BREAK 9:30-10:00				**COFFEE BREAK 9:30-10:00**			
10:00	**MS.12 Nonlinear Waves: Modeling. Methods and Applications 1/2**				**Session: Complex Networks 2/3**			
	MS.12.01.Comb solitons in micro-ring resonators	Dmitry Skryabin	OC.050	Geometric Constraints and Scaling Laws in Spatial Networks		Nora Molkenthin		
	MS.12.02.Propagating quantum breathers in superconducting qubit lattices	G. Tsironis	OC.045	Asynchronous networks & a modularization of dynamics theorem		Michael Field		
	MS.12.03.Time-asymmetric quantum physics and Gamow vectors in nonlinear waves	Claudio Conti	OC.098	Multimodal or coupled networks: just a matter of taste?		Bastian Pietras		
	MS.12.04.Discrete breathers in granular chains	Guillaume James	OC.031	Optimal Target Control of Complex Networks		Francesco Sorrentino		
12:00	MS.12.05.Coherence and Decoherence in Superconducting Metamaterials	N. Lazarides	OC.027	Inter-layer synchronization in multiplex networks		I. Leyva		
	LUNCH BREAK 12.00-13.30				**LUNCH BREAK 12.00-13.30**			
13:30	**Plenary 4: Dimitris Kugiumtzis, Complex networks from multivariate time series: estimation and limitations**							
	COFFEE BREAK 14:30-15:00				**COFFEE BREAK 14:30-15:00**			
15:00	**MS.12 Nonlinear Waves: Modeling. Methods and Applications 2/2**				**Session: Complex Systems 1/2**			
	MS.12.06.Integrable nonlocal nonlinear Schrodinger equation	Ziad Musslimani	OC.039	Multistability in an erbium-doped fiber laser: photonic applications		Juan Carlos Martin		
	MS.12.07.Compactons in a nonlinear evolutionary PDE and its discrete analog	Vsevolod Vladimirov	OC.040	Timing of Transients: Quantifying Return Times and Transient Behavior in Complex Systems		Tim Kittel		
	MS.12.08.Instabilities in Non-hermitian Photonic Structures	K. G. Makris	OC.068	Extreme Events in Delay-Coupled FitzHugh-Nagumo Oscillators		Arindam Saha		
	MS.12.09.Dynamics of wave propagation in nonlinear photonic structures with unbalanced gain and loss	Yannis Kominis	OC.011	Phase dynamics of delay-coupled electronic clocks with filter induced memory effects		Lucas Wetzel		
17:00	MS.12.10.Adiabatic perturbation theory for vector nonlinear Schrodinger equation with nonvanishing boundary conditions	Vassilios Rothos	OC.091	Attractors of relaxation mappings with chaotic dynamics on a fast time scale		Vladimir I.N ekorkin		
	COFFEE BREAK 17:00-17:30				**COFFEE BREAK 17:00-17:30**			
17:30	**POSTER SESSION**							
19:30								

Wednesday

Time	Parallel 1 / Kerkyra Ballroom		Parallel 2 / Lefkas	
8:30	**Plenary 5: Silvana Cardoso, Dynamics of buoyancy-driven flows in the Earth's subsurface and in the ocean**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.01 The Kuramoto Model with Inertia in Complex Networks 1/2**		**MS.04 Emergent Dynamics of Out-of-Equilibrium Colloids 1/1**	
	MS.01.01 Synchronization of Pendula: from Huygens to Chimeras	Tomasz Kapitaniak	MS.04.01 The Collective Behaviors of Self-Propelled Particles and Drops through hydrodynamic interactions	Natsuhiko Yoshinaga
	MS.01.02 Solitary states in oscillatory networks	Yuri Maistrenko	MS.04.02 Emergent collective dynamics in ensembles of magnetic colloidal rollers and spinners	Alexey Snezhko
	MS.01.03 Nonlinear transient waves in coupled phase oscillators with inertia	David Jörg	MS.04.03 Topological protection of multiparticle dissipative transport	Thomas M. Fischer
	MS.01.04 Dynamics of fully coupled rotators with unimodal and bimodal frequency distribution	Simona Olmi	MS.04.04 Hydrodynamic self-organization and mixing in suspensions of microrotors	Enkeleida Lushi
12:00			MS.04.05 Complex Magnetic Fields Breathe Life into Fluids	James E Martin
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
13:30	**MS.01 The Kuramoto Model with Inertia in Complex Networks 2/2**		**Session: Complex Fluid Dynamics 1/2**	
	MS.01.05 Finding the role of time delays	Wei Lin	OC.015 Navier-Stokes meets Synchronization - Numerical Simulation of Aeroacoustical Coupled Organ Pipes	Jost Leonhardt Fischer
	MS.01.06 Nonequilibrium first-order phase transitions in the Kuramoto model in presence of inertia and noise	Shamik Gupta	OC.034 Helical mode interactions and spectral transfer processes in magnetohydrodynamic turbulence	Mairi E. McKay
	MS.01.07 Impact of network topology on synchrony of oscillatory power grids	Martin Rodhen	OC.058 Suppression of long-range pressure contributions due to screening in turbulent flows	Dimitar G. Vlaykov
	MS.01.08 The 2nd order Kuramoto model in a future power grid	Sabine Auer	OC.033 Effects of fluid mechanics on the dynamics of compressed/expanded surfactant monolayers	Maria Higuera
15:30	MS.01.09 Uncovering stability from sync basin in the Second-order Kuramoto model	Peng Ji	OC.052 Phase synchronization of Kármán vortices	Hiroya Nakao
	EXCURSION DINNER			

Time	Parallel 3 / Ithaka		Parallel 4 / Krokidis	
8:30	**Plenary 5: Silvana Cardoso, Dynamics of buoyancy-driven flows in the Earth's subsurface and in the ocean**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.14 Nanoscale thermal and thermoelectric transport: A dynamical systems approach 1/1**		**Session: Chaos/Complex Systems**	
	MS.14.01 Increasing thermoelectric efficiency: Dynamical models unveil microscopic mechanisms	Giuliano Benenti	OC.080 Modelling Thermostatically Controlled Loads as Coupled Oscillators for Electricity Grid Balancing	Ellen E. Webborn
	MS.14.02 Studying thermoelectricity using efficiency fluctuations	Massimiliano Esposito	OC.002 Accuracy of the non-relativistic approximation to relativistic momentum diffusion at low speed	Boon Leong Lan
	MS.14.03.The discrete nonlinear Schrödinger equation out of equilibrium	Stefano Lepri	OC.004 Exploring the Applications of Fractional Calculus: Anomalous Diffusion of Hierarchically-Built-Polymers	Alexander Blumen
	MS.14.04.Phononic heat transport and thermal rectification	S. Mehdi Vaez Allaei	OC.028 Stochastic Detection of an Interaction-Range in Non-Equilibrium Traffic and Granular Flows	Jiri Apeltauer
12:00	MS.14.05.Towards the laws of thermodynamics for non-Markovian quantum machines	Robert Whitney	OC.019 Formation of a periodic sequence of stabilized wave segments in excitable media	Vladimir Zykov
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
13:30	**Session: Biophysics 2/2**		**Session: Hybrid Systems/Complex Dynamics**	
	OC.061 Route to chaos via torus destruction in models of dengue fever epidemiology and implications for time series analysis in Thailand dengue notification data	Nico Stollenwerk	OC.071 Delay-Induced Dynamics of Localized Structures in Systems with Spatial Inhomogeneities	Felix Tabbert
	OC.089 Complex Solutions OF Nonlinear Optimal Control Problems	Gustav Feichtinger	OC.063 A Generalized Form of Disorder-Induced Resonance	Marco Patriarca
	OC.079 Dissipation in noisy chemical systems: The role of deficiency	Artur Wachtel	OC.064 Wavefront Propagation in Two-Dimensional Optical Bistable Device under Patterned Light Irradiation	Takashi Isoshima
	OC.093 When a reaction contributes to the generation of its reactant or to the destruction of its product	Lida Michalaki	OC.038 Bifurcating small chimera states in a network of coupled lasers	Andre Roehm
15:30	OC.010 Transition between segregation and aggregation : the role of environmental constraints	Stamatios C. Nicolis	OC.026 Neighborhoods of periodic orbits and the stationary distribution of a noisy chaotic system	Domenico Lippolis
	EXCURSION DINNER			

Thursday

Time	Parallel 1 / Kerkyra Ballroom		Parallel 2 / Lefkas	
8:30	**Plenary 6: Yannis Kevrekidis, Mathematics for data-driven modeling – The science of crystal balls**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.02 New Trends in Chimera States 1/2**		**MS.05 Assembly of Non-Spherical Particles 1/2**	
	MS.02.01 Tweezer control for chimeras in small networks	Iryna Omelchenko	MS.05.01 Designing polyhedral particles for targeted self-assembly	Michael Engel
	MS.02.02 Controlling chimera states through pinning	Mattia Frasca	MS.05.05 Curvature-driven flows explain where Martian river flows	Gabor Domokos
	MS.02.03 Intermittent chaotic chimeras for coupled rotators	Alessandro Torcini	MS.05.03 Particle-based simulation of powder application in additive manufacturing under consideration of geometrically complex particles	Eric Parteli
	MS.02.04 Alternating chimera states and other peculiar coherence-incoherence patterns in globally coupled oscillatory media	Katharina Krischer	MS.05.02 Packings and flows of non-spherical particles	R.C. Hidalgo
12:00	MS.02.05 Coherence-resonance chimeras in a network of excitable elements	Anna Zakharova		
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
13:30	**Plenary 7: Laurette Tuckerman, Turbulent-laminar patterns**			
	COFFEE BREAK 14:30-15:00		**COFFEE BREAK 14:30-15:00**	
15:00	**MS.02 New Trends in Chimera States 2/2**		**MS.05 Assembly of Non-Spherical Particles 2/2**	
	MS.02.06 Delayed-feedback chimera states: Forced multiclusters and stochastic resonance	Vladimir V. Semenov	MS.05.11.Dancing screw-nuts: Assembly of hexagonally shaped disks with attractive interactions	Kai Huang
	MS.02.07 Linked and knotted chimera laments in oscillatory systems	Joern Davidsen	MS.05.07 Mean field approach for random close packings of spherical and non-spherical particles	Adrian Baule
	MS.02.08 Twisted chimera states and multicore spiral chimera states on a two-dimensional torus	Edgar Knobloch	MS.05.08 The structure of non-spherical particle packings	Fabian M. Schaller
	MS.02.09 Self-propelled chimeras	Heinz Koeppl	MS.05.09 Liquid-crystal patterns in vibrated quasi-monolayers of rods	Enrique Velasco
17:00	MS.02.10 SQUID chimeras: lions, goats and snakes	Johanne Hizanidis	MS.05.10 Rotation and ordering of elongated particles under shear	Tamás Börzsönyi
	COFFEE BREAK 17:00-17:30		**COFFEE BREAK 17:00-17:30**	
17:30	**Session: Complex Fluid Dynamics 2/2**		**MS.07 Noisy Dynamics in Biological Networks 1/2**	
	OC.003 Asymptotic reduction of exact solutions of shear flows	Cédric Beaume	MS.07.01 Correlations of fluctuations in recurrent networks of spiking neurons are strongly colored	Benjamin Lindner
	OC.049 Precessionally-forced rotating cylinder flow: nutation angle effects	Francisco Marques	MS.07.02 Chimera patterns under the influence of noise	Eckehard Schöll
	OC.065 Geometric Mixing, Peristalsis, and the Geometric Phase of the Stomach	Julyan Cartwright	MS.07.03 Amplitude and Phase Chimera States in a Ring of Nonlocally Coupled Chaotic Systems	Vadim S. Anishchenko
	OC.087 Steady streaming in standing waves	J. Rajchenbach	MS.07.04 Role of noise and emergence of various patterns in networks	Sarika Jalan
19:30	OC.017 Torsions as a new dynamic feature in 2D plasma crystals	Vladimir Nosenko	MS.07.05 Noise-induced coupling in neuronal networks with spike timing-dependent plasticity	Oleksandr V. Popovych
	OC.072 Rayleigh-Plateau Instabilities of Thin Liquid Ridges	Walter Tewes		

Time	Parallel 3 / Ithaka		Parallel 4 / Krokidis	
8:30	**Plenary 6: Yannis Kevrekidis, Mathematics for data-driven modeling – The science of crystal balls**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.13 Time Series, Networks and Applications 1/2**		**Session: Complex Systems 2/2**	
	MS.13.01 Pairwise mutual information - a good interaction approximation?	Jaroslav Hlinka	OC.060 Toward new general-purpose processor with nonlinear transient computing	Bogdan Penkovsky
	MS.13.02 Determining the sub-Lyapunov exponent from chaotic dynamics of photonic delay systems	Thomas Jüngling	OC.025 Gas-like economic models: strategy and topology effects	Ricardo López Ruiz
	MS.13.03 Detecting redundancy and synergy with Granger causality	Sebastiano Stramaglia	OC.035 Linear Stability and the Braess Paradox in Coupled Oscillators Networks and Electric Power Grids	Tommaso Coletta
	MS.13.04 Inferring Networks from Data: Recent Challenges and Advances	Björn Schelter	OC.075 Dynamical Voltage-Current Characteristics of Superconductor / Normal Metal / Superconductor Junctions	Bertrand Reulet
12:00	MS.13.05 Constructing networks from time series with k-nearest neighbours - how and why	Alex Khor	OC.081 Rotational Diffusion of a Molecular Cat	Ori Katz
	LUNCH BREAK 12.00-13.30		**LUNCH BREAK 12.00-13.30**	
13:30	**Plenary 7: Laurette Tuckerman, Turbulent-laminar patterns**			
	COFFEE BREAK 14:30-15:00		**COFFEE BREAK 14:30-15:00**	
15:00	**MS.13 Time Series, Networks and Applications 2/2**		**Session: Environmental/ Ecological Dynamics 1/2**	
	MS.13.06 Comparing Density Forecasts in a Risk Management Context	Cees Diks	OC.013 Diversity emerging from the interplay between dispersion and competition	Els Heinsalu
	MS.13.07 Information theoretic causal network structure of nancial data series	Henrik Jeldtoft Jensen	OC.037 Harmful algal blooms: Extreme events in a coastal ecosystem	Stephan Bialonski
	MS.13.08 Impact of external perturbations is dependent on the dynamical state of epileptic networks	Premysl Jiruska	OC.076 Spatial effects for food webs in patch landscapes	Edmund Barter
	MS.13.09 A creative brain is well-connected: functional networks of the creativity process in resting state	E. Pereda	OC.102 Melancholia States in the Climate System: Exploring Global Instabilities and Critical Transitions	Tamas Bodai
17:00	MS.13.10 Distributional Clustering of Multivariate Time Series	Andreas Steimer		
	COFFEE BREAK 17:00-17:30		**COFFEE BREAK 17:00-17:30**	
17:30	**Session: Chaos/Pattern Formation 1/2**		**Session: Neurodynamics 2/2**	
	OC.078 Frequency Synchronization and Localized Dynamics in Symmetric Networks of Coupled Phase Oscillators	Christian Bick	OC.012 Effect of Stimulation Frequency and Intensity on Long-Lasting Anti-Kindling	Thanos Manos
	OC.051 Multiheaded scroll wave chimeras	Volodymyr Maistrenko	OC.022 Cell Assembly Dynamics of Sparsely-connected Inhibitory Networks	D. Angulo-Garcia
	OC.029 Experimental Study of Chimeras in Small Ensembles of Phase Oscillators	A.S. Dmitriev	OC.074 Modelling of glissando patterns in the small neuronal circuit	Anastasia I.Lavrova
	OC.024 Collective behavior patterns in a ring of Kuramoto-type rotators with time-delay	Zoltan Neda	OC.036 Chimera States in Leaky Integrate-and-Fire Networks	Theodoros Kasimatis
19:30	OC.067 Bifurcation of spiral-shaped patterns in the phase space of a nonlinear delayed electro-optic system	Bicky A. Marquez	OC.090 Chimera states in two populations with heterogeneous phase lag	Christian Bick
	OC.032 Activation process in systems of excitable units with multiple noise sources	Igor Franović		

Friday

Time	Parallel 1 / Kerkyra Ballroom		Parallel 2 / Lefkas	
8:30	**Plenary 8: Lorenz Thomas, The expanding world of dynamical systems: Nonsmooth shapes and robustness refuse the minus !?**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**MS.07 Noisy Dynamics in Biological Networks 2/2**		**Session: Nonlinear Time series Analysis**	
	MS.07.06 Noisy synapses in the brain: A way to optimise neural computations?	Leonid P. Savtchenko	OC.018 Robustness and reliability of the fitting of extreme value distributions and its results	Philipp Mueller
	MS.07.07 Interplay of Noise and Intelligence in Intracellular Gene-regulatory Networks	Alexey Zaikin	OC.030 Non-admissible complex wavelets: an effective tool for spectral analysis of relaxation non-linear oscillations	Eugene B. Postnikov
	MS.07.08 Multiple time scales signalling in recurrent neural network driven by noise	S. Gordleeva	OC.077 A Bayesian approach to dynamical noise reduction	Konstantinos Kaloudis
	MS.07.09 Bifurcations in open quantum systems	M. V. Ivanchenko	OC.088 Detection of structural changes from connectivity analysis	Alkiviadis Tsimpiris
12:30				
	END OF THE CONFERENCE			

Time	Parallel 3 / Ithaka		Parallel 4 / Krokidis	
8:30	**Plenary 8: Lorenz Thomas, The expanding world of dynamical systems: Nonsmooth shapes and robustness refuse the minus !?**			
	COFFEE BREAK 9:30-10:00		**COFFEE BREAK 9:30-10:00**	
10:00	**Session: Environmental/ Ecological Dynamics 2/2**		**Session: Chaos/Pattern Formation 2/2**	
	OC.020 Linear stability analysis of the coevolution of shallow marine clouds and rain	Ilan Koren		
	OC.057 Behavior of a Predator-Prey System under Strong Periodic Forcing	Andy Foster		
	OC.101 Nonlinear Dynamics and Bifurcations in a forest-grassland ecosystem	Lucia Russo		
	OC.100 Seismicity Mopeling and Analysis of the 2009 L'Aquila Earthquake using complex networks	Kostantinos Spiliotis		
	OC.104 Control-based continuation of pedestrian flows	Ilias Panagiotopoulos		
12:30				
	END OF THE CONFERENCE			