

Program of the Carnival

Poster Party

<u>Poster number</u>	<u>Title</u>
From 15:00 to 15:50	
<i>Biological Physics and nonlinear phenomena in ecology and physiology</i>	
1	<i>Continuous Model for Clonal Growth Plants.</i> Daniel Ruiz, Damià Gomila, Tomàs Sintes, Emilio Hernández-García, and Cristóbal López.
2	<i>Can you get Clustering with Purely Repulsive Interactions?</i> Jean-Baptiste Delfau, Emilio Hernández-García, and Cristóbal López.
<i>Complex systems. Nonlinear and Statistical Physics</i>	
3	<i>Effects of Dynamically Controlled Users on the Stabilization of The Power Grid Frequency.</i> E. Batista Tchawou Tchuisseu, Damià Gomila, and Pere Colet.
4	<i>Synchronization in Networks of Mobile Heterogeneous Particles.</i> Jorge P. Rodríguez, Víctor M. Eguíluz.
5	<i>Breaking Strong Disorder through Multilayer Networks.</i> Aleix Bassolas, Maxime Lenormand, Maxi San Miguel, and Jose J. Ramasco.
6	<i>Percolation-Based Precursors of Transitions in Dynamical Systems.</i> Víctor Rodríguez-Méndez, Víctor M. Eguíluz, Jose J. Ramasco, and Emilio Hernandez-García.
<i>Dynamics and collective phenomena of social systems</i>	
7	<i>Language and Mobility Detection through Twitter Data Analysis.</i> Fabio Lamanna.
8	<i>Information Spreading: Competition Between Topological and Inter-Event Correlations.</i> O. Artime, Jose J. Ramasco, and Maxi San Miguel.
9	<i>Addressing the Dynamical Robustness of the US Airport Network.</i> Pablo Fleurquin.
10	<i>A Web-Based Platform for Analysing Decision Making Choices from a Collective Guessing Game.</i> Toni Perez, Jordi Zamora, and Víctor M. Eguíluz.
- Beer-Break 15:50 to 16:10 -	

<i>Quantum physics: photons, electrons and information</i>	
11	<i>Coupled Nonlinear Thermoelectric Transport in Normal-Quantum Dot-Superconductor Junctions.</i> Sun-Yong Hwang, Rosa López, and David Sánchez.
12	<i>Majorana States and Magnetic Orbital Motion in Planar Hybrid Nanowires.</i> Javier Osca and Llorenç Serra.
13	<i>Nonlinear Seebeck and Peltier Effect in Interacting Quantum Dots.</i> Miguel A. Sierra and David Sánchez.
14	<i>Thermopower in Graphene with Spin-Orbit Interaction.</i> M. I. Alomar and David Sánchez.
15	<i>On the Spectral Origin of Non-Markovianity: an Exact Finite Model.</i> R. Vasile, F. Galve, and R. Zambrini.
<i>Fluid dynamics, Biofluids, and Geophysical fluids</i>	
16	<i>Phase Diagram of a Single Magnetic Filament in Bulk.</i> Joan J. Cerdà, P. A. Sánchez, and Tomàs Sintes.
17	<i>Sinking of Inertial Particles in Fluid Flows.</i> Pedro Monroy, Emilio Hernández-García, Cristóbal López, and Vincent Rossi.
18	<i>Complex Between Polyelectrolyte and Surfactant in Aqueous Solution..</i> Bassalah Mohamed El Arbi, Joan J. Cerdà, , and Tomàs Sintes.
19	<i>Geophysical-Flow Transport Networks.</i> Enrico Ser-Giacomi, Emilio Hernández-García, Cristóbal López, and Vincent Rossi.
<i>Non-linear optics, localized structures in dissipative systems</i>	
20	<i>Scaling Properties of the Dynamics of Semiconductor Lasers in External Cavities.</i> Xavier Porte, Miguel C. Soriano, Stefan Breuer, Lukas Drzewietzki, Wolfgang Elsässer, and Ingo Fischer.
21	<i>Synchronizing Asymmetric Square-Wave Pulses of Tunable Period and Duty Cycle with Delay-Coupled Optoelectronic Oscillators.</i> Jade Martínez-Llinàs, Pere Colet, and Thomas Erneux.