

Schedule Nonlinear Science and Complexity 2018

Time /Day	14 th August	15 th August	16 th August	17 th August
09:00		Pierre Collet , Centre de Physique Théorique, Ecole Polytechnique, France, <i>Stochastic perturbations of dynamical systems from (large) population models, some ecological consequences</i>	Albert Luo , Southern Illinois University Edwardsville, USA, <i>On period-1 evolutions to chaos in a periodically forced Brusselator</i>	José Antonio Seade , Universidad Autónoma de México, México, <i>On the dynamics of discrete subgroups of PSL(3,c)</i>
10:00	Registration	José María Amigó , Universidad Miguel Hernández, Elche, Spain, <i>On the limits of probabilistic prediction in nonlinear time series analysis</i>	Dimitri Volchenkov , Texas Tech University, USA, <i>Scale dependent anisotropic random walks and applications</i>	Renato Iturriaga , Centro de Investigación en Matemáticas, México, <i>The lax oleinik semigroup on graphs</i>
10:30	Opening	Raúl Rechtman , Universidad Nacional Autónoma de México, México, <i>Damage spreading, chaos, and synchronization of a probabilistic cellular automata</i>	Simon Villan-Guillot , Université de Bordeaux, France, <i>Interrupted coarsening in a generalized Cahn-Hilliard model</i>	Mark Edelman , Courant Institute of Mathematical Sciences, New York University, USA, <i>Bifurcations and chaos in fractional (with power-law memory) systems</i>
11:00	Leonid Bunimovich , Georgia Institute of Technology, USA, <i>Finite time dynamics</i>	Break	Break	Break
12:00	Todd Young , Mathematics Department of Ohio University, Ohio, USA, <i>Dynamics of tensor approximation in narrow valleys</i>	Alejandro Maass , Universidad de Chile, Chile, <i>Cubes structures in topological dynamics</i>	Elbert E. N. Macau , Instituto Nacional de Pesquisas Espaciais, Brazil, <i>Controlling collective behavior</i>	Christophe Josserand , LadHyX, CNRS & Ecole Polytechnique, France, <i>Wave turbulence, intermittency and irreversibility</i>

12:30	Igor Belikh , Georgia State University, USA, <i>Crowd dynamics and wobbling induced by pedestrian bridge interactions</i>			
	Lunch	Lunch	Lunch	Lunch
15:00	Juan Gonzalo Barajas Ramírez , Instituto Potosino de Investigación Científica y Tecnológica, Mexico, <i>Constructing piecewise-linear systems with shilnikov chaos</i>	Raúl Salgado García , Universidad Autónoma del Estado de Morelos, México, <i>Open Markov chains: Fluctuations, correlations and entropy production</i>	José Luis del Río-Correa , Depto. de Física, Universidad Autónoma Metropolitana Iztapalapa, <i>Boltzmann and the statistical multifractals</i>	Jesús Espinal Enríquez , Instituto Nacional de Medicina Genómica, México, <i>Loss of long-range regulation in breast cancer molecular subtypes</i>
15:30	Roberto Álvarez-Martínez , Universidad Autónoma de Querétaro, México, <i>Invariant measure divergences, phase transition and beta distributions in the symbolic dynamics of unimodal maps</i>	Hildegard Meyer-Ortmanns , Jacobs University, Germany, <i>Winnerless competition on spatial grids</i>	Pedro Miramontes , Universidad Nacional Autónoma de México, México, <i>The genome is a $f: R^2 \rightarrow R$ function</i>	Anne Cros , Departamento de Física CUCEI, Universidad de Guadalajara, <i>Intermittency in the sky dancer</i>
16:00	Igor Aronson , Pennsylvania State University, USA, <i>Topological defects in living liquid crystals</i>	Gustavo Martínez-Mekler , Universidad Autónoma de México, México, <i>Towards an understanding of the ubiquity of rank-order beta distribution in arts and sciences</i>	Daniel Aguilar Velázquez , Laboratorio de Sistemas Complejos UPIITA-IPN - Ciudad de México, <i>Critical synchronization and $1/f$ noise in simulated rich-club neural networks</i>	Jean-René Chazottes , Centre de Physique Théorique, Ecole Polytechnique, France, <i>Freezing equilibrium states</i>

16:30	Lev A. Ostrovsky , University of Colorado and University of North Carolina, USA, <i>Complex dynamics of solitons in rotating fluids</i>	Lev Tsimring , Biocircuits Institute University of California, San Diego, USA, <i>Gene conversion and evolution on rugged fitness landscapes</i>	José Martín Méndez , Instituto Potosino de Investigación Científica y Tecnológica – México, <i>Theoretical chemical representations of a chaotic system with a unique stable equilibrium point</i>	Xavier Leoncini , Aix-Marseille Université, France, <i>Chaotic motion of charged particles in magnetic fields and creation of transport barriers</i>
17:00	Break	Break	Break	Break
17:30	Brindis	Posters	Posters	Premier of Valentin's Documentary