Monday

8:45-9:15	Registration
ROOM	Salón de Actos (Auditorium)
9:15-9:30	Opening Ceremony
Chairpersons	Y.Yi
9:30-10:30	**James C. Robinson** "The minimal period problem"
10:30-11:00	Coffee Break
11:00-12:00	**Sue Ann Campbell** "Time Delays, Hopf Bifurcation and Synchronization"
12:00-13:00	**Daniel Peralta** "Two mathematical challenges in plasma physics"
13:00-14:30	Lunch

ROOMS	Sala Azul (Blue Room)	Sala Naranja (Orange Room)	Sala Gris (Grey Room)
Chairpersons	Z. Liu	O. Diekmann	S.A. Campbell
14:30-15:00	**Yingfei Yi** "Quasi-Stationary Distributions"	**Hans-Otto Walther** "A direct approach to simplicity of solution manifolds"	**Cinzia Elia** "Enhancing synchronizability of directed networks"
15:00-15:30	**Weiwei Qi** "Intrinsic vs. Extrinsic Noise in Transient Dynamics: A Quasi-Stationary Approach"	**Cristina Pignotti** "Time-delayed opinion dynamics with leader-follower interactions"	**Jia-Yuan Dai** "Transition Routes to Synchronization in the Classical Kuramoto Model"
15:30-16:00	Coffee Break		
Chairpersons	WW. Qi	C. Pignotti	E. Moreira
16:00-16:30	**Zhenxin Liu** "Continuity of the Lyapunov exponent and measure entropy for stochastic dierential equations"	**Odo Diekmann** "State space options for delay equations, a comprehensive overview"	**José Valero** "On the connectedness of solutions of the three-dimensional Navier-Stokes equations with damping"
16:30-17:00	**Shirou Wang** "Synchronization in Markov random networks"	**T. Krisztin** "Heteroclinic and homoclinic orbits for some MackeyGlass type equations"	**K. Ikeda** "Rigorous Construction of Stop-and-Go Waves in the Optimal Velocity Model via a dierential-dierence equation"
17:00-17:15	**Juan Carlos Felipe** "One-phase free boundary problems: from calibrations to viscosity properties"	**Florian Kogelbauer** "Existence and Regularity of Stable Resonant Spectral Submanifolds and Conjugacy Maps"	**Javier Peñafiel** "Topological properties of rough fluid equilibria"
17:15-17:30	**Jorge Ruiz Cases** "Gradual smoothing: strong hypercontractivity and logarithmic Sobolev inequalities	**Joan Gimeno** "Formal Power Series for NHIMs under Singular and Functional Perturbations"	**Isidro Benaroya** "Splitting and Merging of Stagnation Points for the 2D Navier-Stokes Equations"

20:30-....

Tuesday

Salón de Actos (Auditorium)	
P. Bates	
9:30-10:30	**Rafael de la Llave** (Hale Lect 1) "Two directions for the future"
10:30-11:00	Coffee Break
11:00-12:00	**Rachel Kuske** "Computer-assisted global analysis of energy transfer in vibro-impact configurations"
12:00-13:00	**Eiji Yanagida** "Positive solutions of the heat equation with a moving singular potential"
13:00-14:30	Lunch

Sala Azul (Blue Room)	Sala Naranja (Orange Room)	Sala Gris (Grey Room)
J. Fernandes	Alicja B.Kubik	N. Cónsul
Alexandre N. Carvalho "Gradient structure of non-autonomous cascade systems"	**Michael Li** "An Epidemic Enigma: Challenges in Modeling the 1978 Influenza Epidemic"	**J. Cholewa** "On exponential decay in time for fractional Schrödinger parabolic problems"
Stefanie Sonner "A panoramic view of exponential attractors"	**Xingfou Zou** "Spatial temporal dynamics of a diffusive Nicholson blowfly equation with two shifting parameters"	**Marta Pellicer** "On the exponential decay in some simple chromatographic models"
Coffee Break		
S. Sonner	T. Krisztin	S. Wang
Christian Pötzsche "From invariant manifolds to fiber bundles: numerical dynamics of integro difference equations"	**T. Caraballo** "Dynamics of infinite-dimensional systems with memory"	**Wen Huang** "Typical periodic optimization for dynamical systems: Symbolic dynamics"
Juliana Fernandes "On Bifurcation from Infinity: A Compactification Approach"	**Jaqueline Mesquita** "Stability results for functional Volterra-Stieltjes integral equations and applications"	**Xiaoying Han** "Dynamics of lattice neural network models with random inputs"
Simone M. Bruschi "E-compact convergence and interpolation spaces"	**Luke T. Peterson** "Eective Stability of Near-Rectilinear Halo Orbits in the Earth-Moon Systtem"	**F.Javier Larcada** "Low regularity perturbations of linear non-autonomous parabolic problems"
José Manuel Uzal "Relations between different attractors related to impulsive dynamical systems"	**Alicja B. Kubik** "Results on joint observability-identifiability for autonomous ODE systems"	**Pablo Molina** "Fractional Diffusion in the Bessel Potential Scale: Smoothing and Low-Regularity Perturbations"

Conference Banquet

Wednesday

Salón de Actos (Auditorium)	
S. Novo	
9:30-10:30	**Rafael de la Llave** (Hale Lect 2) "Two directions for the future"
10:30-11:00	Coffee Break
11:00-12:00	**Erik Van Vleck** "Computational Dynamics and Data Assimilation"

Rooms	Sala Azul (Blue Room)	Sala Naranja (Orange Room)	Sala Gris (Grey Room)
Chairpersons	C. Pötzsche	R. Kuske	M. Li
12:00-12:30	**Joan Solà-Morales** "An example of Lyapunov stability (In memoriam of Hildebrando M. Rodrigues)"	**Konstantin Mischaikow** "Time-Series Data can Probably Characterize its own Dynamics"	
12:30-13:00	**Neus Cónsul** "Patterns and local minima for boundary reactions"	**Olivier Hènot** "Global Continuation of the Rotating Eight Families in the Three-Body Problem"	**Arnaud Ducrot** "Center manifold and Hopf bifurcation for semilinear evolution equations: An integrated semigroup approach"
13:00-14:30	Lunch		

FREE

AFTERNOON

Thursday

Salón de Actos (Auditorium)	
A. Carvalho	
9:30-10:30	**Chongchun Zeng** "Stable and unstable manifolds for capillary gravity water waves and a class of nonlinear PDEs"
10:30-11:00	Coffee Break
11:00-12:00	**José Antonio Langa** "What global attractors tell us about reality?"
12:00-13:00	**Marcone C. Pereira** "Roughness-Induced Effects in a Reaction-Diffusion Equation on a Thin Domain"
13:00-14:30	Lunch

ROOMS	Sala Azul (Blue Room)	Sala Naranja (Orange Room)	Sala Gris (Grey Room)
Chairpersons	A. Rodríguez	W. Huang	R. Fabbri
14:30-15:00	**Peter Bates** "Sturm Oscillation Theorems for Nonlocal Equations"	**Tere M. Seara** "Chaos in generic analytic convex billiards"	**Ana María Sanz** "A new class of generalized ordinary differential equations"
15:00-15:30	**Silvia Sastre** "Principal eigenvalue of local–non-local equations"	**Xu Lu** "Exponentially-long time stability and its application on N-vortex systems"	**Jesús Dueñas** "Exploring new bifurcation patterns in nonautonomous d-concave equations via loss of hyperbolicity"
15:30-16:00	Coffee Break		
Chairpersons	M. Pereira	X. Han	A.M. Sanz
16:00-16:30	**Manuell Villanueva** "Effective models in thin domains with rough boundaries: the role of competing scales"	**Piotr Kalita** "On structure of attractors for Lotka-Volterra systems"	**Roberta Fabbri** "Controllability and bifurcation for nonautonomous control systems"
16:30-17:00	**Jean Carlos Nakasato** "Homogenization of the heat equation in a time- oscillatory moving thin domain"	**Phillipo Lappicy** "New oscillatory regimes for competing predators with Holling type II response"	**Iacopo P. Longo** "Nonautonomous differential equations in the presence of bounded noise"
17:00-17:15	**Estefani M. Moreira** "The spectrum of a linear operator associated to a thin domain problem"	**Jana Kopfová** "Symmetric periodic solutions in a nonlinear Volterra equation with asymmetric negative feedback"	**David Rackl** "Transcritical and Pitchfork Bifurcations in Scalar Nonautonomous Difference Equations"
17:15-17:30	**Joaquín Domínguez de Tena** "A brush problem: Homogenization involving thin domains and PDEs in graphs"	**Juan García Fuentes** "Existence of a Non-Autonomous Simplex in the May–Leonard System"	**Ester Beatriz** "The Bianchi IX Attractor in Modified Gravity"

Friday

Salón de Actos (Auditorium)	
H-O. Walther	
9:30-10:30	**Aníbal Rodríguez-Bernal** "How much heat can be lost through the boundary?"
10:30-11:00	Coffee Break
11:00-12:00	**Teresa Faria** "On global dynamics of some classes of nonautonomous delay differential equations"
12:00-13:00	**Romain Joly** "Controlling the Schrödinger equation through domain deformations"
Closing Ceremony	
13:00-14:30	Lunch