

SCIENTIFIC PROGRAM

(All the talks will be held in the Congress Center)

Monday, July 23, 2007

Speakers	Main Talks
BALADI	<i>Linear Response in the Absence of Structural Stability</i>
BALIBREA	<i>Origin, Motivation and Results on two Scalar Non-Linear Difference Equations: Thue-Morse and Fibonacci</i>
NUSSBAUM	<i>Dynamics of Iterated Nonlinear Maps of Finite Dimensional Cones</i>
ROBNIK	<i>Exact Analysis of the Adiabatic Invariants in Time-dependent Harmonic Oscillator</i>
SHARKOVSKY	<i>Difference Equations with Continuous Time: Theory and Applications</i>

Speakers	Contributed Talks
ABDERRAMÁN	<i>Chain Sequences and Location of Continuous Spectrum in Self-Adjoint Difference Operators</i>
AHMADI	<i>Predictor-Corrector Method for Fuzzy Initial Value Problem</i>
ALEKSENKO	<i>Newton's Problem of Minimal Resistance in the Class of Solids of Revolution</i>
BAPTISTA, A.	<i>Difference Equations on Matrix Algebras</i>
BRAVERMAN	<i>On Cushing Henson Conjecture and Attenuant Cycles</i>
BRUDER	<i>Jacobi Polynomials ($\alpha = \beta = -1$), their Sobolev Orthogonality, and Self-Adjoint Operators</i>
CABADA	<i>Existence of Stable and Unstable Periodic Solutions of Non Autonomous First Order Difference Equations</i>
ELYSEEVA	<i>The Comparative Index and Riccati Difference Equations</i>
GONTAR	<i>Creative Properties of the 2D Lattice Distributed Interconnected Chaotic Oscillators: Colored Ornaments Generated by Discrete Logistic Equation</i>
GRÁCIO	<i>Graphs, Symbolic Dynamics and Synchronization of Networks</i>
HILSCHER	<i>Time Scale Embedding Theorem and Coercivity of Quadratic Functionals</i>
KENT*	<i>A Cardiac Reentry Loop Model with Thresholds</i>
KIPNIS	<i>Explicit Stability Conditions for Difference Equations</i>
KOCAN	<i>On the Centre and the Set of ω-Limit Points of Dynamical Systems on Dendrites</i>
LAITCHOVÁ	<i>Linear Functional Equations in the Space of Strictly Monotonic Functions</i>
LAKSHTANOV	<i>Scattering by Obstacles and Wave Problem of Minimal Resistance</i>
MÁLEK	<i>On Variants of Distributional Chaos in One-dimensional Spaces</i>
MEDINA	<i>Absolute Stability of Nonlinear Delay Difference Systems</i>
PETERSON	<i>Oscillation Criteria for a Forced Second Order Nonlinear Dynamic Equation</i>
PINELAS	<i>Oscillatory Mixed Differential Difference Equations</i>
RAITH	<i>Stability of Unimodal Maps under Small Perturbations</i>
RASMUSSEN	<i>Bifurcation Theory for Nonautonomous Difference Equations</i>
REINFELDS	<i>Conjugacy of Difference Equations in the Neighbourhood of Invariant Manifold</i>
RUFFING	<i>Oscillation Behavior of Some Schrödinger Difference Equations</i>
SCHINAS	<i>On a k order System of Lyness Type Difference Equations</i>
ŠTEFÁNKOVÁ	<i>Distributional (and other) Chaos Almost Everywhere</i>
PAPASCHINOPOULOS	<i>Boundedness, Periodicity and Stability of the Difference Equation</i> $x_{n+1} = A_n + \left(\frac{x_{n-1}}{x_n} \right)^p$
ZHU	<i>(2+1)-Dimensional Nonisospectral Lattice Hierarchy and Generalized Discrete Painlevé Hierarchy</i>

Timetable - Monday, July 23, 2007
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8:30	Opening Session
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	Chair <i>Ferreira</i>
	Anf.1
9:00-9:50	Sharkovsky

10:00-10:20	Coffee Break
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	Chair <i>Misiurewicz</i>	Chair <i>Sacker</i>
	Anf.1	Room 1
10:20-11:20	Baladi	Balibrea
11:20-12:20	Nussbaum	Robnik

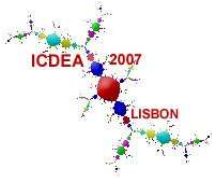
12:20-14:00	Lunch
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	Chair <i>Nishimura</i>	Chair <i>Dannan</i>	Chair <i>Severino</i>	Chair <i>Elyseeva</i>
	Room 1	Room 2	Room 3	Room 4
14:00-14:25	Peterson	Zhu	Raith	Braverman
14:25-14:50	Schinas	Papaschinopoulos	Kocan	Gontar
14:50-15:15	Medina	Ruffing	Málek	Rasmussen
15:15-15:40	Kipnis	Bruder	Stefánková	(40 minutes)

15:40-16:10	Coffee Break
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	Chair <i>Hilger</i>	Chair <i>Hamaya</i>	Chair <i>Došlý</i>	Chair <i>Berezansky</i>
	Room 1	Room 2	Room 3	Room 4
16:10-16:35	Pinelas	Reinfelds	Ahmadi	Grácio
16:35-17:00	Elyseeva	Laitochová	Baptista	Aleksenko
17:00-17:25	Cabada	Hilscher	Abderramán	Lakshantov

18:00	Cocktail Party
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SCIENTIFIC PROGRAM
 (All the talks will be held in the Congress Center)
 Tuesday, July 24, 2007

Speakers	Main Talks
ALSEDÀ	<i>Attractors for Unimodal Quasiperiodically Forced Maps</i>
LADAS	<i>Rational Difference Equations</i>
MALLET-PARET	<i>Singular State-dependent Delay Equations: Asymptotics and Stability</i>
MISIUREWICZ	<i>Dynamics of Nash maps for 2×2 games</i>
NISHIMURA	<i>Higher Order Difference Equations in Economic Theory</i>

Speakers	Contributed Talks
Akin*	<i>Oscillatory Behaviour Of Higher Order Neutral Type Nonlinear Forced Differential Equation With Oscillation Coefficients</i>
BAPTISTA, B.	<i>Topological Invariants for Lozi Maps</i>
BEREZANSKY	<i>Nonoscillation and Stability for Linear Difference Equations with Several Delays</i>
BERNHARDT	<i>Zero-Entropy Vertex Maps on Graphs</i>
BOHNER, M.	<i>Asymptotic Integration of Dynamic Equations</i>
CALVO-JURADO	<i>The Limit of Linear Elliptic Problems with Variable Operators and Varying Boundary Conditions</i>
CANECO	<i>Chaotic Synchronization of Unimodal and Bimodal Maps</i>
CORREIA	<i>On the Iteration of Smooth Maps</i>
COUTINHO	<i>Planar Fronts in Bistable Coupled Map Lattices</i>
GONÇALVES	<i>Universal BHP Distribution and Nonlinear Prediction in Complex Systems using the Ruelle-Takens Embedding</i>
HEREDERO	<i>Multiscale Expansion of the Discrete KdV Equation</i>
HILGER	<i>Category of Time Dependent Ladders</i>
KELLER	<i>Ordinal Pattern Distributions in Dynamical Systems</i>
KOSTROV	<i>On Riccati Difference Equations with Complex Coefficients</i>
LIN	<i>Discrete Mechanics and Optimal Control of Molecular Dynamics</i>
MENDES, V.	<i>Chaotic Interest Rates Rules and Stabilization</i>
PETROPOULOU	<i>A "Discretization" Technique for the Solution of ODEs</i>
POP	<i>Dynamic Contact Problems in Linear Viscoelasticity</i>
RACHIDI	<i>Dynamical Solution from the Confluence of Fibonacci-Horner Methods and Computation of the Matrix Exponential</i>
SCHMEIDEL	<i>Maximal and Minimal Solutions of Neutral Equations</i>
SCHULTZ	<i>Riccati Difference Equations with Real Period-2 Coefficients</i>
STAVROULAKIS	<i>Oscillations of Linear Difference Equations with Variable Delay</i>
STEVÍĆ	<i>On Lengths of Semicycles of Solutions of Difference Equations</i>
SUHRER	<i>Numerical Results for Some Schrödinger Difference Equations</i>
TZIRTZILAKIS	<i>On the Analytic Structure of the Complex Blasius Problem</i>
UVAROVA	<i>Discrete Non-linear Model of Information Evolution</i>
VOULOV	<i>On Some Nonlinear Difference Equations with Periodic Coefficients</i>
ZERIZER	Moved to Friday

Timetable - Tuesday, July 24, 20077
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	Chair <i>Sharkovsky</i>
	Anf.1
9:00-9:50	Misiurewicz

10:00-10:20	Coffee Break
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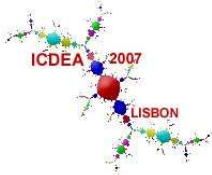
	Chair <i>Peterson</i>	Chair <i>Baladi</i>
	Anf.1	Room 1
10:20-11:20	Ladas	Nishimura
11:20-12:20	Mallet-Paret	Alsedà

12:20-14:00	Lunch	Meeting of the Board
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	Chair <i>Gyori</i>	Chair <i>Cabada</i>	Chair <i>Gontar</i>	Chair <i>A.-Bohner</i>
	Room 1	Room 2	Room 3	Room 4
14:00-14:25	Moved to Friday	Hilger	Coutinho	Keller
14:25-14:50	Voulov	Calvo-Jurado	Bernhardt	Lin
14:50-15:15	Kostrov	Baptista	Stavroulakis	Uvarova
15:15-15:40	Suhrer	Gonçalves	Correia	Pop

15:40-16:10	Coffee Break
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	Chair <i>López</i>	Chair <i>Došlá</i>	Chair <i>Rasmussen</i>	Chair <i>Ruffing</i>
	Room 1	Room 2	Room 3	Room 4
16:10-16:35	Schultz	Hernández	Bohner, M.	Akin
16:35-17:00	Schmeidel	Petropoulou	Berezansky	Mendes, V.
17:00-17:25	Rachidi	Tzirtzilakis	Stević	Caneco
17.30-18:20	Meeting of ISDE			



SCIENTIFIC PROGRAM
 (All the talks will be held in the Congress Center)
 Wednesday, July 25, 2007

Speakers	Main Talks
SELL	<i>Longtime Dynamics of Eulerian Time Discretizations for Differential Delay Equations with Feedback Properties</i>
SNOHA	<i>Minimal Sets in Discrete Dynamics</i>
VANDERBAUWHEDE	<i>Lyapunov-Schmidt Revisited</i>

Timetable - Wednesday, July 25, 2007

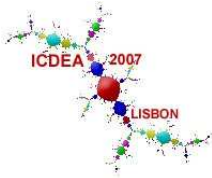
	Chair <i>Sui Sun Cheng</i>
	Anf.1
9:00-9:50	Sell

10:00-10:20	Coffee Break
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	Chair <i>Balibreas</i>	Chair <i>Kloedan</i>
	Anf.1	Room 1
10:20-11:20	Vanderbauwhede	Snoha
	Chairs <i>Ladas, Misiurewicz, Alsedà</i>	
11:20-12:20	Open Problems Session	

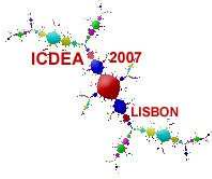
12:20-13:20	Lunch
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13:30	Departure of bus to excursion
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SCIENTIFIC PROGRAM
(No talks this afternoon)
Wednesday, July 25, 2007

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SCIENTIFIC PROGRAM
 (All the talks will be held in the Congress Center)
 Thursday, July 26, 2007

Speakers	Main Talks
CHENG	<i>Calculus for Sequences Arising from Seeking Analytic Solutions of Functional Equations</i>
CUSHING	<i>Difference Equation Models of Biological Semelparity</i>
DEVANEY	<i>Sierpinski Galore</i>
KLOEDEN	<i>Semi-Hyperbolicity and Bi-Shadowing in Difference Equations with Lipschitz Mappings</i>
PINTO	<i>Hyperbolic Dynamics</i>

Speakers	Contributed Talks
AKIN-BOHNER	<i>A Generalized Upper and Lower Method for Singular Boundary Value Problems for Quasilinear Dynamic Equations</i>
ALVES	<i>Computing the Periods of a Periodic Nonautonomous Difference Equation</i>
APPLEBY	<i>Numerical Detection of Finite-Time Explosions in Stochastic Differential Equations</i>
DANNAN	<i>Nonautonomous Beverton-Holt Equations and the Cushing-Henson Conjectures</i>
DIBLÍK	<i>Stability of the Zero Solution of Difference Systems with Quadratic Right-hand Sides in the Critical Case</i>
DOŠLÁ	<i>An Extension of the Casoratian for Half-Linear Difference Equations</i>
DOŠLÝ	<i>Linearized Riccati Technique and (Non) Oscillation Criteria for Half-Linear Difference Equations</i>
EDMUNDS	<i>A Discrete Competition Model with Periodically Oscillating Habitat Size</i>
FUJIMOTO	<i>Stability through Migration</i>
KADELL	<i>Difference Equations for Euler-Zagier Functions</i>
GOMES	<i>Unfulfilled Rational Expectations and the Stability of Monetary Policy</i>
KUNDRÁT	<i>On Asymptotics of Discretized Delay Differential Equation</i>
LUÍS, R.	<i>A Dynamical System for a Long Term Economical Model</i>
MENDES, D.	<i>Dynamics and Control in an Implicitly Defined Matching Labor Market Model</i>
AL-HASSAN	<i>A Harmonic Relation Between Second-Order Linear Difference Equations and Tridiagonal Matrices with Applications</i>
PITUK	<i>Monotone Solutions of a Nonlinear Difference Equation with Continuous Time</i>
QUINN	<i>Boundedness and Periodic Convergence in Rational Difference Equations</i>
RĚHÁK	<i>Regularly Varying Sequences and Second Order Difference Equations</i>
RAKOWSKI	<i>Dynamics of Timoshenko beams by Difference Equations using NURBS</i>
REN	<i>Positive Periodic Solutions for Neutral Difference Equations with Variable Delay</i>
RODKINA	<i>Non-exponential Stability and Decay Rates in Nonlinear Stochastic Difference Equation with Unbounded Noises</i>
KELLY	<i>Dynamical Consistency in Discrete and Continuous Equations with Finite-Time Explosions</i>
RODRÍGUEZ-LÓPEZ	<i>Some Considerations on Fuzzy Dynamical Systems</i>
SACKER	<i>Population Models with Allee Effect</i>
SEVERINO	<i>Difference Equations and Nonlinear Boundary Problems for Hyperbolic Systems</i>
SILVA, L.	<i>Genus and Braid Index Associated to Sequences of Renormalizable Lorenz Maps</i>
ŮNAL	<i>Lyapunov-type Inequalities for Nonlinear Systems on Time Scales</i>

WANG	<i>Palis-Smale Approaches to Semilinear Elliptic Equations in Unbounded Domains</i>
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Timetable - Thursday, July 26, 2007
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	Chair <i>Mallet-Paret</i>
	Anf.1
9:00-9:50	Pinto

10:00-10:20	Coffee Break
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	Chair <i>Vanderbauwhede</i>	Chair <i>Smith</i>
	Anf.1	Room 1
10:20-11:20	Devaney	Kloeden
11:20-12:20	Cushing	Cheng

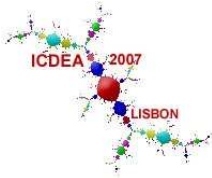
12:20-14:00	Lunch
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	Chair <i>Pop</i>	Chair <i>Raith</i>	Chair <i>Schmeidel</i>	Chair <i>Alsedà</i>
	Room 1	Room 2	Room 3	Room 4
14:00-14:25	Rodkina	Kundrát	Kadell	Luís
14:25-14:50	Ren	Wang	Silva	Gomes
14:50-15:15	Rěhák	Severino	Kelly.	Mendes, D.
15:15-15:40	Rakowski	Rodríguez-López	Alves	Dannan

15:40-16:10	Coffee Break
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	Chair <i>Rodkina</i>	Chair <i>Medina</i>	Chair <i>Stevic</i>	Chair <i>Nussbaum</i>
	Room 1	Room 2	Room 3	Room 4
16:10-16:35	Quinn	Ůnal	Dořlá	Sacker
16:35-17:00	Pituk	Appleby	Diblík	Fujimoto
17:00-17:25	Al-Hassan	Akin-Bohner	Dořlý	Edmunds

19:15	Departure, in panoramic bus, to social dinner
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SCIENTIFIC PROGRAM
 (All the talks will be held in the Congress Center)
 Friday, July 27, 2007

Speakers	Main Talks
ELAYDI	<i>Center Manifold, Bifurcation and Stability of two-dimensional Systems</i>
MAWHIN	<i>Boundary Value Problems, Periodic and Bounded Solutions for some Nonlinear Difference Equations</i>
SMÍTAL	<i>Why it is important to understand the dynamics of triangular maps?</i>
SMITH	<i>Embedding Systems in Larger Monotone Systems versus Comparison Methods</i>

Speakers	Contributed Talks
AOMOTO	<i>q-Hypergeometric Functions and Holonomic q-Difference Equations</i>
BODINE	<i>Asymptotic Integration under Weak Dichotomies</i>
CAMOZIS	<i>Periodically Forced Rational Equations</i>
CHIRICALOV	<i>Periodic Solution of Matrix Difference Nonlinear Equations with Bilinear Main Part</i>
CZERWIK	<i>On the Stability of the Functional Equation of Quadratic Functionals</i>
FELLER	<i>Homoclinic Solutions for $2n^{\text{th}}$ Order Self-Adjoint Difference Equations</i>
FERNANDES	<i>Conductance in Discrete Dynamical Systems</i>
GIESL	<i>Construction of Lyapunov Functions for Discrete Dynamical Systems using Radial Basis Functions</i>
ALMEIDA	<i>Golden Tilings of the Real Line</i>
GYORI	<i>Exponential Representation of the Solutions of Nonlinear Volterra Difference Equations</i>
HAMAYA	<i>On the Criteria for Irrational Number of Recursive Sequences</i>
HRIC	<i>Almost Totally Disconnected Minimal Systems</i>
IWATA	<i>Coexistence of Plant Species - the Analysis of Revised Lottery Model -</i>
JOHNSON	<i>The Global Properties of a Two-Dimensional Competing Species Model Exhibiting Mixed Competition</i>
KUPKA	<i>TBA</i>
LÓPEZ	<i>Global Attractors for Difference Equations Dominated by One-dimensional Maps</i>
MARTINHO	<i>Interval Maps and Cellular Automata</i>
MEILER	<i>TBA</i>
MELO	<i>Numerical Range, Numerical Radii and the Dynamics of a Rational Function</i>
MIGDA	<i>On a Class of First-Order Nonlinear Difference Equations of Neutral Type</i>
MIGUEL	<i>Optimal Choice of Delay in Shrimp Population Models</i>
RODRIGUES, A.	<i>Hopf Bifurcation with SN-Symmetry</i>
SHUKLIN	<i>Construction of a central diversity for the differential systems with deviating argument</i>
ZERIZER	<i>Perturbation Method for Linear Difference Equations with Small Parameters</i>

Timetable - Friday, July 27, 2007

	Chair <i>Devaney</i>
	Anf.1
9:00-9:50	Mawhin

10:00-10:20	Coffee Break
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	Chair <i>Cushing</i>	Chair <i>Ladas</i>
	Anf.1	Room 1
10:20-11:20	Smith	Smítal
11:20-12:20	Elaydi	

12:20-14:00	Lunch
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	Chair <i>Robnik</i>	Chair <i>Sell</i>	Chair <i>Smital</i>	Chair <i>Snoha</i>
	Room 1	Room 2	Room 3	Room 4
14:00-14:25	Aomoto	Gyori	Fernandes	Hric
14:25-14:50	Chiricalov	Iwata	Giesl	Martinho
14:50-15:15	López	Johnson	Almeida	Rodrigues, A.
15:15-15:40	Migda	Miguel	Melo	Camouzis

15:40-16:10	Coffee Break
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	Chair <i>Mawhin</i>	Chair <i>Pinto</i>	Chair <i>Camouzis</i>	Chair <i>Únal</i>
	Room 1	Room 2	Room 3	Room 4
16:10-16:35	Kupka	Bodine	Feller	Czerwik
16:35-17:00	Hamaya	Shuklin	Meiler	Zerizer