Sunday 22

Lobby

16:00—18:00
Registration & Help Desk

18:00—19:00
Welcome Cocktail
## ICDEA2012 Schedule

### Monday 23

#### Main Room (Aula Magna)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>08:30—09:00</td>
<td>Open Ceremony</td>
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<tr>
<td>09:00—09:30</td>
<td>S. Elaydi (Chair: R. Sacker)</td>
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<tr>
<td>10:00—10:30</td>
<td>Coffee break ► Room 02, Ground Floor</td>
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<tr>
<td>11:00—11:30</td>
<td>V. Jiménez (Chair: J. Lopes)</td>
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<tr>
<td>12:00—12:30</td>
<td>R. Ortega (Chair: M. Misiurewicz)</td>
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#### Main Room (Aula Magna) Room 12+14 (Aula 12+14) Room 10 (Aula 10) Room 13 (Aula 13)

<table>
<thead>
<tr>
<th>Time</th>
<th>Com (R. Ortega)</th>
<th>CD (N. Fagella)</th>
<th>CLD (R. Ortega)</th>
<th>AB&amp;P-DE (I. Győri)</th>
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<tbody>
<tr>
<td>14:30—15:00</td>
<td>P. Góra</td>
<td>P. Rippon</td>
<td>R. Rudnicki</td>
<td>B. Garay</td>
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<tr>
<td>15:00—15:30</td>
<td>B. Alarcón</td>
<td>G. Stallard</td>
<td>F. Martínez- Giménez</td>
<td>O. Došlí</td>
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<tr>
<td>15:30—16:00</td>
<td>R. Laureano</td>
<td>J. Canela</td>
<td>H. Emamirad</td>
<td>M. Pituk</td>
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<td>16:00—16:30</td>
<td>J. Šotola</td>
<td>D. Martí</td>
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<td>S. Bodine</td>
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<td>16:30—17:00</td>
<td>A. Reinfelds</td>
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Coffee break ► Room 02, Ground Floor
Monday, July 23rd

**Main Room (Aula Magna)**

08.45 – 09.00  Opening Ceremony

09.00 – 10.00  Application of singularity theory to the global dynamics of population models
  Speaker: **S. Elaydi** (Trinity University, USA)

10.00 – 10.30  **Coffee break at Room 02, Ground Floor**

10.30 – 11.30  L.A.S. and negative Schwarzian derivative do not imply G.A.S. in Clark's equation
  Speaker: **V. Jiménez** (Universidad de Murcia, Spain)

11.30 – 12.30  Translation arcs and Lyapunov stability in two dimensions
  Speaker: **R. Ortega** (Universidad de Granada, Spain)

12.30 – 14.30  **Lunch**

14.30 – 15.00  W-maps and harmonic averages
  Speaker: **P. Góra** (Concordia University, Canada)

15.00 – 15.30  Global Dynamics for Symmetric Planar Maps
  Speaker: **B. Alarcón** (University of Oviedo, Spain)

15.30 – 16.00  Efficient synchronization of one-dimensional chaotic quadratic maps coupled without symmetry
  Speaker: **R. Laureano** (IBS — ISCTE IUL Business School, Portugal)

16.00 – 16.30  An answer to some problems on self-similar sets and the open set condition
  Speaker: **J. Šotola** (Silesian University in Opava, Czech Republic)

16.30 – 17.00  Decoupling and simplifying of difference equations in the neighbourhood of invariant manifold
  Speaker: **A. Reinfelds** (Institute of Mathematics and Computer Science, Latvia)

17.00 – 17.30  **Coffee break at Room 02, Ground Floor**

17.30 – 18.00  Perturbations of autonomous systems and Lyapunov exponents in non-autonomous systems
  Speaker: **F. Balibrea** (Universidad de Murcia, Spain)

18.00 – 18.30  On the dynamics of Cournot—Puu oligopoly
  Speaker: **J.S. Cánovas** (University of Cartagena, Spain)
Monday, July 23rd

**Room 12 + 14 (Aula 12 + 14)**

15.00 – 15.30  Regularity and fast escaping points of entire functions  
Speaker:  P. Rippon (The Open University, UK)

15.30 – 16.00  Spiders web escaping sets  
Speaker:  G. Stallard (The Open University, UK)

16.00 – 16.30  On the Tongues of a Degree 4 Blaschck Product  
Speaker:  J. Canela (Universitat de Barcelona, Spain)

16.30 – 17.00  Dynamic Rays for Transcendental Holomorphic Self-maps of C*  
Speaker:  D. Martí (Universitat de Barcelona, Spain)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Conformal dimension and combinatorial modulus: applications to rational maps  
Speaker:  M. Carrasco (Université Aix-Marseille, France)

18.00 – 18.30  Connectivity of Julia sets of meromorphic maps with Baker domains  
Speaker:  X. Jarque (Universitat de Barcelona, Spain)

**Room 10 (Aula 10)**

15.30 – 16.00  Chaoticity and invariant measures for two population models  
Speaker:  R. Rudnicki (Polish Academy of Sciences, Poland)

16.00 – 16.30  Distributional chaos for operators with full scrambled sets  
Speaker:  F. Martínez-Giménez (Universitat Politècnica de València, Spain)

16.30 – 17.00  Chaotic solution for the Black-Scholes equation  
Speaker:  H. Emamirad (Institute for Research in Fundamental Sciences (IPM), France)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  CLD-01 - Graph theoretic structure of maps of the Cantor space  
Speaker:  N. Bernardes (Universidade Federal do Rio de Janeiro, Brazil)

18.00 – 18.30  CLD-07 - Extension problem and fractional powers of generators  
Speaker:  P. Miana (Universidad de Zaragoza, Spain)
Monday, July 23rd

Room 13 (Aula 13)

15.00 - 15.30 Moving average network examples for asymptotically stable periodic orbits of strongly monotone maps
Speaker: B. Garay (Pázmány Péter Catholic University, Hungary)

15.30 – 16.00 Periodic symplectic difference systems
Speaker: O. Došlý (Masaryk University, Czech Republic)

16.00 – 16.30 A variant of the Krein-Rutman theorem for Poincaré difference equations
Speaker: M. Pituk (University of Pannonia, Hungary)

16.30 – 17.00 On Poincaré—Perron theorems for systems of linear difference equations
Speaker: S. Bodine (University of Puget Sound, USA)

17.00 – 17.30 Coffee break at Room 02, Ground Floor

17.30 – 18.00 Sharp algebraic periodicity conditions for linear higher order difference equations
Speaker: L. Horváth (University of Pannonia, Hungary)

18.00 - 18.30 Utilization of the circulant matrix theory in periodic higher order autonomous difference equations
Speaker: I. Győri (University of Pannonia, Hungary)

18.30 – 19.00 Positive and oscillating solutions of discrete linear equations with delay
Speaker: J. Diblík (Bmo University of Technology, Czech Republic)
# ICDEA2012 Schedule

## Tuesday 24

### Main Room (Aula Magna)

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<tr>
<th>Time</th>
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<td>09:00—09:30</td>
<td>L’ Snoha (<em>Chair</em>: V. Jiménez)</td>
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<td>09:30—10:00</td>
<td>E. Pujals (<em>Chair</em>: A. Pinto)</td>
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<td>R. Devaney (<em>Chair</em>: P. Rippon)</td>
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<td>11:30—12:00</td>
<td>E. Russell</td>
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<td>M. Moreno-Rocha</td>
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### Room 10 (Aula 10)

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<td>14:30—15:00</td>
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<td>M. Ferreira</td>
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### Coffee break ► Room 02, Ground Floor

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<td>L. Berezansky</td>
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Tuesday, July 24th

Main Room (Aula Magna)

09.00 – 10.00  Functional envelopes of dynamical systems — old and new results
Speaker: L`. Snoha (Matej Bel University, Slovakia)

10.00 – 10.30  Coffee break at Room 02, Ground Floor

10.30 – 11.30  Mandelpinski Necklaces for Singularly Perturbed Rational Maps
Speaker: R. Devaney (Boston University, USA)

11.30 – 12.30  The Evolutionary Robustness of Forgiveness and Cooperation
Speaker: E. Pujals (IMPA, Brazil)

12.30 – 14.30  Lunch

14.30 – 15.00  Discrete Dynamics on Grids with Choice
Speaker: K. Beeler (Wake Forest University, USA)

15.00 – 15.30  Properties of non-commuting cycles in matrix algebras iteration
Speaker: A. Nascimento (Polytechnic Institute of Leiria, Portugal)

15.30 – 16.00  Chaotic models stabilized by stochastic perturbations with nonzero expectation
Speaker: A. Rodkina (The University of the West Indies, Jamaica)

16.00 – 16.30  Oscillation theory of discrete symplectic systems with nonlinear dependence on the spectral parameter
Speaker: R. Šimon (Masaryk University, Czech Republic)

16.30 – 17.00  On the structure of Lozi maps kneading curves
Speaker: D. Baptista (Polytechnic Institute of Leiria, Portugal)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Nonlinear Volterra difference equations with time delays and their applications
Speaker: E. Awwad (University of Pannonia, Hungary)

18.00 – 18.30  Asymptotics for second-order linear q-difference equations
Speaker: P. Reháč (Academy of Sciences, Czech Republic)

18.30 – 19.00  On the generating function of the solution of a multidimensional difference equation
Speaker: A. Lyapin (Siberian Federal University, Russian Federation)
Tuesday, July 24th

**Room 12 + 14 (Aula 12 + 14)**

15.00 – 15.30  Perturbed Polynomial Maps with Small Perturbation  
                 Speaker: D. Cuzzocreo (Boston University, USA)

15.30 – 16.00  Homeomorphisms between Julia Sets for Rational Maps  
                 Speaker: E. Fitzgibbon (Boston University, USA)

16.00 – 16.30  Singular perturbations in the quadratic family  
                 Speaker: E. Russell (Western New England University, USA)

16.30 – 17.00  A combinatorial invariant for escape time Sierpinski rational maps  
                 Speaker: M. Moreno (Centro de Investigación en Matemáticas, México)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  A family of rational maps with buried Julia components  
                 Speaker: S. Godillon (Université de Cergy-Pontoise, France)

18.00 – 18.30  Rigidity for non-recurrent exponential maps  
                 Speaker: A.M. Benini (Scuola Normale Superiore, Italy)

18.30 – 19.00  On the existence of absorbing domains in Baker domains  
                 Speaker: N. Fagella (Universitat de Barcelona, Spain)

**Room 10 (Aula 10)**

15.00 – 15.30  Anosov diffeomorphisms on surfaces  
                 Speaker: J. Almeida (Polytechnic Institute of Bragança, Portugal)

15.30 – 16.00  On the convergence to Walrasian prices in random matching Edgeworthian 
                 economies  
                 Speaker: M. Ferreira (ESEIG-IPP & LIAAD-INESC TEC, Portugal)

16.00 – 16.30  Stability of the Cournot equilibrium for a Cournot oligopoly model with n 
                 competitors  
                 Speaker: M. Lampart (VSB-Technical University of Ostrava, Czech Republic)

16.30 – 17.00  An economical model for dumping in a duopoly market  
                 Speaker: J. Martins (Polytechnic Institute of Leiria, Portugal)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Li-Yorke and distributional chaos for linear operators  
                 Speaker: A. Bonilla (Universidad de La Laguna, Spain)

18.00 – 18.30  Distributional chaos for the solutions of certain partial differential equations  
                 Speaker: J.A. Conejero (Institut Universitari de Matemàtica Pura i Aplicada, Spain)

18.30 – 19.00  Hypercyclic and topologically mixing properties of certain classes of abstract 
                 time-fractional equations  
                 Speaker: M. Kostic (Faculty of Technical Sciences, Serbia)
Tuesday, July 24th

Room 13 (Aula 13)

15.00 – 15.30  A continuous separation of type II. Applications to nonautonomous delay differential equations.
   Speaker: R. Obaya (Universidad de Valladolid, Spain)

15.30 – 16.00  Asymptotic formula for solutions of Volterra difference equations with infinite delay
   Speaker: H. Matsunaga (Osaka Prefecture University, Japan)

16.00 – 16.30  Asymptotic behavior of nonlinear difference equations
   Speaker: F. Hartung (University of Pannonia, Hungary)

16.30 – 17.00  Stability of difference equations with an infinite delay
   Speaker: E. Braverman (University of Calgary, Canada)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  New stability conditions for linear delay difference equations
   Speaker: L. Berezansky (Ben-Gurion University of the Negev, Israel)

18.00 – 18.30  Asymptotic behavior and oscillation of fourth-order difference equations
   Speaker: Z. Došlý (Masaryk University, Czech Republic)

18.30 – 19.00  Oscillation theorems for second-order nonlinear difference equations of Euler type
   Speaker: N. Yamaoka (Osaka Prefecture University, Japan)

19.00 – 20.00  ISDE General Meeting
**Wednesday 25**

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>09:00—09:30</td>
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<td>A. Gasull (Chair: C. Pötzsche)</td>
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<td>11:00—11:30</td>
<td>T. Hüls (Chair: J. Cushing)</td>
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<td>11:30—12:00</td>
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Wednesday, July 25th

**Main Room (Aula Magna)**

09.00 – 10.00  Hyperbolicity in dissipative polygonal billiards  
   Speaker: J. Lopes (Universidade Técnica de Lisboa, Portugal)

10.00 – 10.30  Coffee break at Room 02, Ground Floor

10.30 – 11.30  Different approaches to the global periodicity problem  
   Speaker: A. Gasull (Universitat Autònoma de Barcelona, Spain)

11.30 – 12.30  Homoclinic trajectories of non-autonomous maps  
   Speaker: T. Hüls (Bielefeld University, Germany)
### Thursday 26

#### Main Room (Aula Magna)

- **S. Trofimchuk (Chair: L. Snoha)**

#### Room 12+14 (Aula 12+14)

- **G. Papaschinopoulos**
- **C. Schinas**
- **M. Avotina**
- **Z. Kudlak**
- **A. Anisimova**

#### Room 10 (Aula 10)

- **A. Singh**
- **V. Timorin**
- **J. Peter**
- **P. Domínguez-Soto**

#### Room 13 (Aula 13)

- **S. Kolyada**
- **Z. Kočan**
- **N. Petrov**
- **J. Ferreira**

**Coffee break ► Room 02, Ground Floor**

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Thursday, July 26th

Main Room (Aula Magna)

09.00 – 10.00  Monotone and slowly oscillating wavefronts of the KPP-Fisher differential-difference equation
Speaker: S. Trofimchuk (Universidad de Talca, Chile)

10.00 – 10.30  Coffee break at Room 02, Ground Floor

10.30 – 11.30  Discrete Dynamics and Spectral Theory
Speaker: C. Pötzsche (Alpen-Adria Universität Klagenfurt, Austria)

11.30 – 12.30  Double Standard Maps
Speaker: A. Rodrigues (Matematiska Institutionen, KTH, Sweden)

12.30 – 14.30  Lunch

14.30 – 15.00  Existence, uniqueness and attractivity of prime period two solution for a
difference equation of exponential form
Speaker: G. Papaschinopoulos (Democritus University of Thrace, Greece)

15.00 – 15.30  On the dynamics of two exponential type systems of difference equations
Speaker: C.J. Schinas (Democritus University of Thrace, Greece)

15.30 – 16.00  Initial Condition Problems for Second Order Rational Difference Equations
Speaker: M. Avotina (University of Latvia, Latvia)

16.00 – 16.30  On Rational Difference Equations with Periodic Coefficients
Speaker: Z. Kudlak (Mount Saint Mary College, USA)

16.30 – 17.00  On the Second Order Rational Difference Equation \( x_{n+1} = \beta + 1/(x_nx_{n-1}) \)
Speaker: A. Anisimova (University of Latvia, Latvia)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Global Dynamics of Anti-Competitive Systems in the Plane
Speaker: S. Kalabušić (University of Sarajevo, Bosnia-Herzegovina)

18.00 – 18.30  Study of Velocity Control Algorithm of Vehicle Platoon
Speaker: E. Kita (Nagoya University, Japan)

18.30 – 19.00  P-recursive moment sequences of piecewise D-finite functions and Prony-type algebraic systems
Speaker: D. Batenkov (Weizmann Institute of Science, Israel)
Thursday, July 26th

Room 12 + 14 (Aula 12 + 14)

15.00 – 15.30  Some applications of approximation theory to complex dynamics  
Speaker: A. Singh (Central University of Rajasthan, India)

15.30 – 16.00  Regluing and topological models for quadratic rational functions  
Speaker: V. Timorin (National Research University Higher School of Economics, 
Russian Federation)

16.00 – 16.30  Some results on the size of escaping sets  
Speaker: J. Peter (Christian-Albrechts-Universität zu Kiel, Germany)

16.30 – 17.00  Dynamics of different classes of meromorphic functions with a finite set of 
singular values  
Speaker: P. Domínguez-Soto (Universidad Autónoma de Puebla, México)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Convergence of Rational Rays in Hyperbolic Components  
Speaker: A. Deniz (Roskilde University, Denmark)

18.00 – 18.30  Quadratic Mating Discontinuity  
Speaker: A. Epstein (University of Warwick, UK)

18.30 – 19.00  About rigidity  
Speaker: P. Roesch (Institut of Matematics of Toulouse, France)

Room 10 (Aula 10)

15.00 – 15.30  On sensitivity and some classes of induced maps  
Speaker: S. Kolyada (Institute of Mathematics, NAS of Ukraine, Ukraine)

15.30 – 16.00  On some properties of discrete dynamical systems on dendrites  
Speaker: Z. Kočan (Silesian University in Opava, Czech Republic)

16.00 – 16.30  Combination of scaling exponents and geometry of the action of 
renormalization operators  
Speaker: N. Petrov (University of Oklahoma, USA)

16.30 – 17.00  Zeta functions and periodic entropy of nonautonomous dynamical systems  
Speaker: J. Ferreira (Instituto Superior Técnico, TUL, Portugal)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Cournot duopoly games with heterogeneous players  
Speaker: D. Mendes (Instituto Universitário de Lisboa and BRU-IUL, Portugal)

18.00 – 18.30  Rational Bubbles and Economic Policy  
Speaker: V. Mendes (Instituto Universitário de Lisboa and BRU-IUL, Portugal)

18.30 – 19.00  Neimark-Sacker bifurcation in a discrete-time Goodwin model  
Speaker: M. Guzowska (University of Szczecin, Poland)
Thursday, July 26th

**Room 13 (Aula 13)**

14.30 – 15.00  Averaging theorems for dynamic equations on time scales  
Speaker: A. Slavík (Charles University, Czech Republic)

15.00 – 15.30  A QRT-system of two order one homographic difference equations: 
conjugation to rotations, periods of periodic solutions, sensitiveness to initial 
conditions  
Speaker: M. Rogalski (Laboratoire Paul Painlevé, France)

15.30 – 16.00  Admissibility of linear stochastic discrete Volterra operators applied to an 
affine stochastic convolution equation  
Speaker: J. Daniels (Dublin City University, Ireland)

16.00 – 16.30  Boundedness Character of solutions, Monotonic Character of solutions and 
Existence of Periodic Solutions of a Non-Autonomous Rational Difference 
Equation  
Speaker: M. Radin (Rochester Institute of Technology, USA)

16.30 – 17.00  Turan-type inequalities and Taylor domination for solutions of linear ODE's 
Speaker: Y. Yomdin (Weizmann Institute of Science, Israel)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.30 – 18.00  Phase as determined by Correlation is irrelevant for Resonance versus 
Attenuation in the Beverton-Holt model  
Speaker: R. Sacker (University of Southern California, USA)

18.00 – 18.30  Global asymptotically stable of a generalized discrete Lotka-Volterra 
competition system  
Speaker: Y. Hamaya (Okayama University of Science, Japan)

18.30 – 19.00  Geometric methods for global stability in the Ricker competition model  
Speaker: E. Balreira (Trinity University, USA)
# ICDEA2012 Schedule

**Friday 27**

<table>
<thead>
<tr>
<th>Time</th>
<th>Main Room (Aula Magna)</th>
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<td>09:00—09:30</td>
<td>J. Llibre <em>(Chair: S. Trofimchuk)</em></td>
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<td>10:00—10:30</td>
<td>I. Bula</td>
<td>B. Oliveira</td>
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<td>R. Soeiro</td>
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<td>M. Misiurewicz <em>(Chair: Ll. Alsedà)</em></td>
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Friday, July 27th

Main Room (Aula Magna)

09.00 – 10.00  Periodic point free continuous self—maps on graphs and surfaces  
Speaker: J. Llibre (Universitat Autònoma de Barcelona, Spain)

10.00 – 10.30  Coffee break at Room 02, Ground Floor

10.30 – 11.00  Attractivity in Nonautonomous Periodic and Random Difference Equations on Compact Spaces  
Speaker: G. Manjunath (Jacobs University Bremen, Germany)

11.00 – 11.30  On the Second Order Quadratic Rational Difference Equation  
Speaker: I. Bula (University of Latvia, Latvia)

11.30 – 12.00  Dynamical Classification of a family of Birational Maps via Dynamical Degree  
Speaker: S. Zafar (Universitat Autònoma de Barcelona, Spain)

12.00 – 12.30  Emden-Fowler type difference equations of the fourth-order  
Speaker: J. Krejčová (Masaryk University, Czech Republic)

12.30 – 14.30  Lunch

14.30 – 15.00  On periodic solutions of 2—periodic Lyness difference equations  
Speaker: V. Mañosa (Universitat Politècnica de Catalunya, Spain)

15.00 – 15.30  Transport Equation on Semidiscrete Domains  
Speaker: P. Stehlík (University of West Bohemia, Czech Republic)

15.30 – 16.00  Asymptotic behaviour of random tridiagonal Markov chains in biological applications  
Speaker: P. Kloeden (Goethe university, Germany)

16.00 – 16.30  On some stochastic competition models  
Speaker: G. Högnäs (Åbo Akademi University, Finland)

16.30 – 17.00  Continuous Limit in Dynamics with Choice  
Speaker: S. Gonzalez (Barry University, USA)

17.00 – 17.30  Coffee break at Room 02, Ground Floor

17.00 – 18.00  Random homeomorphisms of an interval  
Speaker: M. Misiurewicz (Department of Mathematical Sciences, IUPUI, USA)
Room 12 + 14 (Aula 12 + 14)

10.30 – 11.00  Strategic optimization in R&D Investment
Speaker: B. Oliveira (FNAUP - UP & LIAAD-INESC TEC Porto Lab, Lisboa)

11.00 – 11.30  Resort Pricing and Bankruptcy
Speaker: A. Pinto (FCUP - UP & LIAAD-INESC TEC Porto Lab, Lisboa)

11.30 – 12.00  Dynamics of Human decisions
Speaker: R. Soeiro (University of Porto, Portugal)

12.00 – 12.30  Timing structures in economics and games
Speaker: P. Stehlík (University of West Bohemia, Czech Republic)

12.30 – 15.00  Lunch

15.00 – 15.30  Chaos in discrete structured population models
Speaker: A. Ruiz-Herrera (Universidad de Granada, Spain)

15.30 – 16.00  Global bifurcation analysis and applications of a Liénard polynomial system
Speaker: V. Gaiko (National Academy of Sciences of Belarus, Republic of Belarus)

16.00 – 16.30  Existence of a bounded solution of Volterra difference equations via Darbo's fixed point theorem
Speaker: E. Schmeidel (University of Białystok, Poland)

16.30 – 17.00  On the existence of a weighted asymptotically constant solutions of Volterra difference equations of nonconvolution type
Speaker: K. Gajda (Poznań University of Technology, Poland)

Room 10 (Aula 10)

10.30 – 11.00  Local stability implies global stability in the Ricker competition model
Speaker: R. Luís (Technical University of Lisbon, Portugal)

11.00 – 11.30  The dynamics of some contest-competition population models with the effect of harvesting and stocking
Speaker: Z. AlSharawi (Sultan Qaboos University, Oman)

11.30 – 12.00  Difference equations arising in evolutionary population dynamics
Speaker: J. Cushing (The University of Arizona, USA)

12.00 – 12.30  Allee effect in two interacting species
Speaker: S. Elaydi (Trinity University, USA)
Friday, July 27th

Room 13 (Aula 13)

10.30 – 11.00 On cascades of elliptic periodic points in area-preserving maps with homoclinic tangencies  
Speaker: M. Gonchenko (Universitat Politècnica de Catalunya, Spain)

11.00 – 11.30 Modified Lotka-Volterra maps and their interior periodic points  
Speaker: P. Maličký (Matej Bel University, Slovakia)

11.30 – 12.00 Dense orbits of flows and maps — misunderstandings and new results  
Speaker: R. Hric (Matej Bel University, Slovakia)

12.00 – 12.30 Snap-back repellers in rational difference equations  
Speaker: A. Cascales (Departamento de Matemáticas, Campus de Espinardo, Spain)

12.30 – 15.00 Lunch

15.00 – 15.30 Asymptotic recurrence quantification analysis  
Speaker: V. Špitalský (Matej Bel University, Slovakia)

15.30 – 16.00 Average shadowing properties: a few sufficient conditions  
Speaker: P. Oprocha (Polish Academy of Sciences, Poland)

16.00 – 16.30 Minimal sets and free intervals  
Speaker: Z. Ulična (Matej Bel University, Slovakia)

16.30 – 17.00 Iterated function systems on the circle  
Speaker: P. G. Barrientos (Universidad de Oviedo, Spain)