

## Program of PODE 2015

Room 6.01, Department of Mathematics,  
University of Beira Interior

Monday, June 15	
8:30–9:30	<b>Registration</b>
9:30–9:50	<b>Opening Ceremony</b>
<b>Chair: Armengol Gasull</b>	
9:50–10:50	<b>Martin Bohner</b> – Invited Talk <i>Recent Results and Improvements of Dynamic Opial-Type Inequalities</i>
<b>Coffee Break</b>	
<b>Chair: Ewa Schmeidel</b>	
11:15–11:40	<b>Brian E. Moore</b> <i>Fronts and pulses that fail to propagate in discrete inhomogeneous media</i>
11:40–12:05	<b>Kenier Castillo</b> <i>On para-orthogonal polynomials on the unit circle and related questions</i>
12:05–12:30	<b>Danielle Burton</b> <i>A note on the onset of synchrony in avian ovulation cycles</i>
<b>Lunch</b>	
<b>Chair: Martin Bohner</b>	
14:00–15:00	<b>Galina Filipuk</b> – Invited Talk <i>(q; h)-Weyl Algebras</i>
15:00–15:25	<b>Anna Cima</b> <i>Finding Invariant Fibrations for some Birational Maps of <math>\mathbb{C}^2</math></i>
15:25–15:50	<b>Jana Hantáková</b> <i>The two versions of the weakest form of distributional chaos</i>
<b>Coffee Break</b>	
<b>Chair: Ewa Girejko</b>	
16:15–16:40	<b>Maria das Neves Rebocho</b> <i>On Laguerre-Hahn affine Orthogonal Polynomials on the Unit Circle from matrix Sylvester equations</i>
16:40–17:05	<b>Sigrun Bodine</b> <i>On the solutions of a discrete Schrödinger equation</i>
17:05–17:30	<b>Yacine Halim</b> <i>Systems of difference equations with solutions associated to Fibonacci numbers</i>

**Tuesday, June 16**

**Chair: Anna Cima**

9:00–10:00	<b>Armengol Gasull</b> – Invited Talk <i>Non-integrability of some difference equations</i>
10:00–10:25	<b>Anatol Odziejewicz</b> <i>Factorization method for second order functional equations</i>
10:25–10:50	<b>Ewa Schmeidel</b> <i>Properties of solutions of system of difference equations</i>

**Coffee Break**

**Chair: Agnieszka B. Malinowska**

11:15–11:40	<b>C. J. Schinas</b> <i>On a system of difference equations including negative exponential terms</i>
11:40–12:05	<b>Luís Silva</b> <i>Bifurcation skeleton of a family of non autonomous systems generated by stunted sawtooth maps</i>
12:05–12:30	<b>Teresa Silva</b> <i>Universal convergence rates for a non autonomous family of dynamical systems generated by stunted sawtooth maps</i>

**Lunch**

**Social Program**

14:00–18:30	Visit to Sortelha and Museu do Queijo
-------------	---

**Conference Dinner**

20:00–23:30	Quinta da Hera
-------------	----------------

**Wednesday, June 17**

**Chair: Christian Pötzsche**

10:00–10:25	<b>Alina Dobrogowska</b> <i>Factorization method applied to the second order <math>q</math>-difference operators</i>
10:25–10:50	<b>Anna Szafrńska</b> <i>Non-standard finite difference method and application to the prey-predator model of fractional order</i>

**Coffee Break**

**Chair: Anatol Odziejewicz**

11:15–11:40	<b>Dorota Mozyrska</b> <i>Stability of higher orders of fractional difference systems</i>
11:40–12:05	<b>Ewa Girejko</b> <i>Practical invariant polyhedral sets of discrete-time fractional systems</i>
12:05–12:30	<b>Jorge Losada</b> <i>On quasi-periodicity properties of fractional sums and fractional differences of periodic functions</i>

**Lunch**

**Chair: Alberto Pinto**

14:00–15:00	<b>Christian Pötzsche</b> – Invited Talk <i>Nonautonomous Dynamics at work: Analytical and numerical analysis of a population-dynamical model</i>
15:00–15:25	<b>Agnieszka B. Malinowska</b> <i>Krause's Model of Opinion Dynamics on Time Scales</i>
15:25–15:50	<b>M. N. de Jesus</b> <i>The generating function of the generalized Fibonacci sequence</i>

**Coffee Break**

**Chair: Dorota Mozyrska**

16:15–16:40	<b>Deniz Uçar</b> <i>On the oscillation of higher order half linear delay dynamic equations</i>
16:40–17:05	<b>Veysel Fuat Hatipoğlu</b> <i>On Mittag-Leffler stability of fractional dynamic equations on time scales</i>
17:05–17:30	<b>Tatiana Odziejewicz</b> <i>Fractional differential equations with dependence on the Caputo-Katugampola derivative</i>

**Thursday, June 18**

**Chair: Galina Filipuk**

9:00–10:00	<b>Alberto Pinto</b> – Invited Talk <i>Dynamics and vaccination games</i>
10:00–10:25	<b>Nika Lazaryan</b> <i>Global Stability and Periodic Solutions of a Second Order Rational Equation with Applications</i>
10:25–10:50	<b>João P. Almeida</b> <i>Anosov diffeomorphisms and tilings</i>

**Coffee Break**

**Chair: Luís Silva**

11:15–11:40	<b>Ana Carvalho</b> <i>Effects of treatment, awareness and condom use in a coinfection model for HIV and HCV in MSM</i>
11:40–12:05	<b>ELhassan Eljaoui</b> <i>The numerical solutions for a system of fuzzy differential equations by fuzzy Laplace transform method</i>

**Lunch**