

International Workshop on Boundary Value Problems: New Trends and Applications-2014

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IWBVP2014

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**July, 3 - 4
Évora – Portugal**

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Program

Day 02/07/2014

17h-19h Reception and registration of participants
Universidade de Évora
Colégio do Espírito Santo (CES)
Largo dos Colegiais, 2
(Room CES 115)

Day 03/07/2014

08:30h - 09:30h (Room CES 115)	Reception and registration of participants	
09:30h – 10:00h (Room CES 131)	Opening ceremony	
10:00h – 10:45h (Room CES 131)	John Graef University of Tennessee at Chattanooga, USA	Modeling the Spread of Antibiotic Resistant Infections in Hospital Intensive Care Units
10:45h – 11:15h	Coffee break	
11:15h – 12:00h (Room CES 131)	Alberto Cabada University of Santiago de Compostela, Spain	New Criteria for the Existence of Nontrivial Fixed Points
12:00h – 12:45h (Room CES 131)	Luís Sanchez University of Lisbon, Portugal	Critical speed of travelling waves in the presence of nonlinear diffusion

12:45h – 14:00h	Lunch
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Day 03/07/2014

Contributed sessions

14:30h - 14:55h (Room CES 131)	Marlene Frigon University of Montreal, Canada	Existence of solutions for systems of second order dynamic equations on times scales
14:55h – 15:200h (Room CES 131)	Luís Castro University of Aveiro, Portugal	Boundary value problems for the Helmholtz equation in an unbounded domain with a crack
15:20h – 15:45h (Room CES 131)	Alexander Domoshnitsky Ariel University, Israel	Positivity and stability of solutions to second order delay differential equations
15:45h – 16:10h (Room CES 131)	Petru Jebelean West University of Timisoara, Romania	Multiplicity in some boundary value problems with singular Laplacians
16:10h – 16:40h	Coffee break	
16:40h – 17:05h (Room CES 131)	Katarzyna S.-Debowska Technical University of Lodz, Poland	On non-resonant and resonant nonlocal boundary value problems
17:05h – 17:30h (Room CES 131)	Clara Carlota University of Évora, Portugal	Existence results for nonconvex and noncoercive optimal control problems
17:30h – 17:55h (Room CES 131)	Irina Volinsky Ariel University, Israel	About Differential Inequalities for Nonlocal Boundary Value Problems with Impulsive Delay Equations
20:00h	Workshop dinner at “Jardim do Paço”	

Day 04/07/2014

Invited sessions

09:15h – 10:00h (CES 131)	Rodrigo L. Pouso University of Santiago de Compostela, Spain	A fixed point result for discontinuous operators with applications to ordinary differential equations
10:00h – 10:45h (CES 131)	Stepan A. Tersian University of Rouse, Bulgaria	Existence and multiplicity of solutions to boundary value problems for fourth-order impulsive differential equations
10:45h – 11:15h	Coffee break	
11:15h – 12:00h (CES 131)	Milan Tvrđy Academy of Sciences, Czech Republic	On singular periodic problems
12:00h -12:45h (CES 131)	Gennaro Infante University of Calabria, Italy	Nontrivial solutions of local and nonlocal Neumann boundary value problems

12:45h – 14:00h	Lunch
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Day 04/07/2014

Contributed sessions

14:30h - 14:55h (Room CES 131)	Waldo Arriagada College of The Bahamas, Bahamas	A rigidity theorem for real families of conformal diffeomorphisms tangent to $x \rightarrow -x$
14:55h – 15:20h (Room CES 131)	Calin Serban West University of Timisoara, Romania	Approximation of extremal solutions for a problem with singular φ -Laplacian
15:20h – 15:45h (Room CES 131)	Sílvia Chá University of Évora, Portugal	Existence of vector minimizers to some nonconvex problems of the calculus of variations
15:45h – 16:10h (Room CES 131)	Moustafa Elshahed Qassim University, Saudi Arabia	Analysis of a Fractional Order Model of Dengue Fever
16:10h – 16:40h	Coffee break	
16:40h – 17:05h (Room CES 131)	Eugénio M. Rocha University of Aveiro, Portugal	Multiplicity results for Schrodinger-Poisson systems
17:05h – 17:30h (Room CES 131)	Roman Shklyar Ariel University, Israel	Stability and estimate of solution to uncertain neutral delay systems
17:30h – 17:55h (Room CES 131)	Fernando Carapau University of Évora, Portugal	One-dimensional viscoelastic fluid model where viscosity and normal stress coefficients depend on the shear rate