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Gender: Female

Date and place of birth: 07/09/1985, Constanța

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## EDUCATION

- 2010-present      Ph.D. student in Mathematics  
Dissertation title: Shape optimization and optimal control problems.  
*Supervisor:* CS. I Dan Tiba
- 2008-2010        M.Sc. in Fundamental Mathematical Structures.
- 2004-2008        B.A. in Mathematics.

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## AREAS OF EXPERTISE

Mathematics  
Partial Differential Equations  
Shape Optimization  
Obstacle Problems

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## PROFESSIONAL EXPERIENCE

- 2012-present      Member in the Research Team of GRANT CNCS 0211/2011 directed by CS. I Dan Tiba, Institute Of Mathematics "Simion Stoilow" Of The Romanian Academy.
- 2009-2011        Young researcher in the Research Team of GRANT CNCSIS 1192/2009 directed by CS. I Dan Tiba, Institute Of Mathematics "Simion Stoilow" Of The Romanian Academy.

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## PUBLICATIONS AND PAPERS

- 2013                A duality algorithm for the obstacle problem. *Annals of the Academy of Romanian Scientists*, (to appear), Vol. 5, 2013.
- 2013                A duality-type method for the obstacle problem. *Analele Stiintifice ale Universitatii Ovidius Constanta*, (to appear), Vol. XXI, 2013.

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## CONFERENCES, SEMINARS, SUMMER SCHOOLS

- 12/2012            *Differential equations and optimal control Aristide Halanay*, Institute of Mathematics *Simion Stoilow* of the Romanian Academy (IMAR), Bucharest.  
Title of seminar talk: Characterization and approximation in design and optimal control problem (obstacle problem).
- 06/2012            *Seminar of Differential equations*, IMAR, Bucharest. Title of seminar talk: Approximation in optimization and partial differential equations.
- 06/2012            Geometric and Analytic Techniques in Calculus of Variations and Partial Differential Equations hosted by the *Centro di Ricerca Matematica*, Pisa, Italy.

12/2011	<i>Seminar of Differential equations</i> , IMAR, Bucharest. Title of seminar talk: Existence in infinite dimensional optimization.
11/2011	Shape Optimization Problems, short class organized by West University of Timișoara, Romania.
08/2011	The 21st Jyvaskyla Summer School. Jyväskylä, Finland.
11/2010	<i>Control of PDE's And Applications</i> Trimester, Henri Poincaré Institute, Paris, France.
10/2010	<i>Seminar of Differential equations</i> , IMAR, Bucharest. Title of seminar talk: A property of Sobolev spaces in domains of class C,
08/2009	The 19th Jyväskylä Summer School. Jyväskylä, Finland.

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## LANGUAGE AND QUANTITATIVE SKILLS

Language	Romanian:	Native language.
	English:	Advanced (C1) level.
	French:	Intermediate (B2) level.
	Italian:	Beginner (A2) level.
Computing	Quantitative:	Pascal, Java, Matlab, Freefem++.
	Others:	$\LaTeX$ , OpenOffice, MS Office, Corel.