



## Benjamin Bogosel

Birth date: 22 February 1988.

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73376 Le Bourget-du-Lac Cedex, France

Marital status: Married.

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### Education

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- 2012-Now **PHD** Université de Savoie, France, coordinators: Dorin Bucur and Édouard Oudet. Subject: *Shape Optimization. Complex Interface Energies*
- 2012-Now **Label RES** - 2 year period of teaching activity and pedagogical preparation, Université de Grenoble
- 2011-2012 **Master 2 Research - Mathematics**, Faculty of Mathematics and Informatics, West University Timisoara, Romania, Rank 1/14.
- 2012 January-June, Erasmus stage Université de Savoie, Chambéry, worked on my master thesis with Dorin Bucur and Édouard Oudet. Title: *Multi-Phase Optimal Partitions*
- 2010-2011 **Master 1 Research - Mathematics**, Faculty of Mathematics and Informatics, West University Timisoara, Romania, Rank 1/14.
- 2007-2010 **Bachelor degree with honors**, Faculty of Mathematics and Informatics, Department of Mathematics, West University Timisoara, Romania, Rank 1/46.

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### Distinctions

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- Best student *excellence award* 2008-2009 and 2010-2011, Faculty of Mathematics, West University Timisoara, Romania.
- *International Mathematical Competition for University Students*: First Prize 2010; Second Prize 2008, 2009, 2011 (reference [www.imc-math.org](http://www.imc-math.org)).

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### Publications

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- B. Bogosel, B. Velichkov, *A multiphase shape optimization problem for eigenvalues: qualitative study and numerical results* (2013) (preprint)

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### Research Projects

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Team member, research project *Asymptotic and Geometric Properties of Dynamical systems with Applications to Control Theory*, director Prof. Adina Luminita Sasu, West University of Timisoara .

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## Courses attended

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- *Intensive Course on Shape Optimization*, Timisoara 2011. Lecturers: Giuseppe Buttazzo and Édouard Oudet.
- *Topics on compressible Navier-Stokes equations*, Chambéry 2012.
- *ERC School on Geometric Functional Inequalities and Shape Optimization*, Napoli, 2013. Lecturers: Dorin Bucur, Francesco Maggi, Massimiliano Morini

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## Given Talks

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- *Optimal Partitions and Anisotropic Perimeter*, LAMA, Chambéry, 2013

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## Professional References

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- Dorin Bucur, Professor at University of Savoie, email: `Dorin.Bucur@univ-savoie.fr`
- Bogdan Sasu, Professor at West University of Timisoara, email: `bsasu@math.uvt.ro`

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## Specific Skills

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### Foreign Languages

English: Reading, Writing, Speaking fluent.

French: Reading, Writing, Speaking good.

### Informatics

Systems: Linux/UNIX based, Windows.

Mathematics: Matlab, Maple, Pari-GP.

Programming: C, Python.

Typewriting: L<sup>A</sup>T<sub>E</sub>X, Open Office, Microsoft Office.

Graphics: MetaPost, Asymptote.

### Hobbies

Cycling, hiking, music (piano, guitar, trumpet).