

# Curriculum Vitae

Anca-Iuliana Bonciocat

## Personal Information:

Date and place of birth: 14.05.1974, Slatina, Romania;

Nationality: Romanian

## Professional address:

Institute of Mathematics of the Romanian Academy, PO-Box 1-764, RO-014700, Bucharest, Romania

**e-mail:** Anca.Bonciocat@imar.ro

## Academic rank:

Scientific Researcher (CS) III, “Simion Stoilow” Institute of Mathematics of the Romanian Academy (IMAR), Bucharest

## Languages:

Romanian–mother tongue; English–fluent; French–good; German–good

## Degrees:

- PhD in Mathematics, University of Bonn, Germany, 2008, advisor Prof. Dr. Karl-Theodor Sturm, with the thesis *Curvature bounds and heat kernels: discrete versus continuous spaces*
- MSc in Real and Complex Analysis, Faculty of Mathematics, University of Bucharest, 1998
- BSc in Mathematics, Faculty of Mathematics, University of Bucharest, 1997

## Awards:

Prize “Gheorghe Țițeica” of the Romanian Academy for 2009 (awarded in 2011), for the article *Mass transportation and rough curvature bounds for discrete spaces*, J. Funct. Anal. (2009), (joint work with K.-T. Sturm)

## Fellowships:

- October 1st 2003 – July 31st, 2006, DAAD PhD-scholarship, Institute for Applied Mathematics, University of Bonn, Germany
- December 1st, 2010 – November 31st, 2012, European POSDRU Post-doc fellowship, “Simion

Stoilow” Institute of Mathematics of the Romanian Academy (IMAR), Bucharest

**Research fields:** Metric Geometry, Analysis and Stochastics on singular spaces, curvature bounds for graphs and discrete metric spaces, transport problems, functional inequalities, polynomial factorizations

**Participation in conferences and workshops:**

- International Conference on Complex Analysis and Related Topics “The  $IX^{th}$  Romanian-Finnish Seminar”, August 27 – 31, 2001, Brasov, Romania.
- Summer School ”Connections between Potential Theory, Geometry and Probability”, August 27 – September 6, 2001, Brasov, Romania.
- The  $2^{nd}$  IMAR Workshop-Potential Theory, Bucharest, Romania, September 9 – 29, 2002.
- Summer School ”Singular Phenomena and Scaling in Mathematical Models”, Bonn, June 10 – 13, 2003.
- Potential Theory Conference, Bucharest, September 23 – 27, 2003.
- Miniconference: ”Stochastic Models in Finance and Insurance”, Bonn, November 6 – 7, 2003.
- Conference ”Potential Theory and Related Topics”, Hejnice, Czech Republic, September 26 – October 2, 2004.
- Symposium on Stochastic Calculus with Applications in Geometry and Analysis, December 13 – 15, 2004, Bonn.
- International Conference on Complex Analysis and Related Topics, The Xth Romanian-Finnish Seminar, August 14 - 19, 2005, Cluj-Napoca, Romania.
- Symposium ”Dirichlet Forms, Stochastic Analysis and Interacting Systems”, November 21 – 26, 2005, Bielefeld/Bonn.
- Conference ”Heat Kernels, Stochastic Processes and Functional Inequalities”, November 27 – December 3, 2005, Oberwolfach.
- SFB 611 Winter School, February 13 – 17, 2006, Bonn.
- Germano-Japanese Symposium ”Stochastic Analysis and Applications”, September 11 – 15, 2006, University of Kyoto, Japan.
- The 6-th Congress of Romanian Mathematicians, June 28 – July 4, 2007, Bucharest.
- Conference ”Potential Theory and Stochastics”, September 4 – 8, 2007, Albac, Romania.
- Romanian - German Symposium on Mathematics and its Applications, May 14 – 17, 2009, Sibiu.
- Conference ”The state of geometry and functional analysis” on the occasion of Prof. Vitali Milman’s 70th anniversary, June 24 – 30, 2009, Tel Aviv, Israel.
- Conference ”Functional inequalities and discrete spaces”, January 11 – 14, 2011, Marne-la-Vallée, France.
- ”Workshop for Young Researchers in Mathematics”, May 11 – 12, 2011, Constanta, Romania.

- "The Seventh Congress of Romanian Mathematicians", June 29 – July 5, 2011, Brasov, Romania.
- Conference "Croissance économique et soutenabilité sociale. Defis et perspectives européennes", Octobre 7 – 8, 2011, Bucharest, Romania.
- Conference "Socio-Economic Approach: Multi-Scale Integrated Analysis and Macroeconomic Modelling", November 22 – 23, 2011, Bucharest, Romania.
- Conference "4èmes Journées Approximation", June 28 – 29, 2012, Lille, France.
- Conference "Labour Market in Romania. Challenges in the Global and European Economic Context", October 11 – 12, 2012, Bucharest, Romania.
- Conference "Welfare and Scientific Research", November 21 – 22, 2012, Bucharest, Romania.
- Simpozion "Modelarea matematică în științele economice", IMAR, January 23 – 24, 2013, Bucharest, Romania.

**Co-organizer in Conferences:**

- Conference "Analyse stochastique et thèmes connexes", May 6 – 9, 2019, Bucharest, Romania, <https://sites.google.com/site/analysestochastique/>

**Academic visits:**

- Laboratoire de Statistique et Probabilités, L'Institut de Mathématiques de Toulouse, France, April 2007.
- Laboratoire de Statistique et Probabilités, L'Institut de Mathématiques de Toulouse, France, May – June 2008.
- University of Trento, Italy, November 18 – 25, 2008.
- University of Bonn, Germany, January 2009.
- Technion, Haifa, Israel, June 15 – 23, 2009.
- Paul Painlevé Laboratory, University of Lille 1, France, May 11 – August 10, 2012.