

Assistant Professor PhD. Math. Ec. CODRUTA SIMONA STOICA

Curriculum Vitae

PERSONAL DATA

Name: Codruta Simona STOICA (maiden name BOTA)

Current Position: Assistant Professor (Lecturer) PhD.

Affiliation: Department of Mathematics and Computer Science, Faculty of Exact Sciences, Aurel Vlaicu University of Arad, Romania

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Date of birth: 25.07.1970, **Place of birth:** Arad, Romania

Nationality: Romanian

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STUDIES

- 1984 - 1988 „Ioan Slavici” Highschool of Arad (Colegiul National „Moise Nicoara” Arad), head of class

Academic Background

- 1988 – 1993 Bachelor and Master in Mathematics at the West University of Timisoara, Romania, Faculty of Mathematics, Specialization Mathematics – Research, head of class
- 1997 – 2001 Bachelor of Aurel Vlaicu University of Arad, Romania, Faculty of Economic Sciences, Specialization Finances – Insurances, head of class

Doctorate

- 2002 – 2007 Doctoral studies at the West University of Timisoara
- 2007 – 2008 Doctoral studies at the Institute of Mathematics of Bordeaux, Bordeaux 1 University, France
- 2008 PhD in Mathematics - PhD thesis *Asymptotic Behaviors of Skew-evolution Semiflows on Banach Spaces*, Scientific coordinator: prof. dr. Mihail Megan, defended at the Bordeaux 1 University, France, and the West University of Timisoara

WORK EXPERIENCE

- 1993 – 1994, 1995 – 2000 Mathematics teacher at the German Highschool „Adam Mueller Guttenbrunn” of Arad
- 1994 – 1995 Mathematics teacher at Charles de Gaulle Highschool of Poissy, France
- 2000 – 2004 Teaching assistant at the Department of Mathematics and Computer Science of Aurel Vlaicu University of Arad
- 2003 Teaching assistant at the Chair of Finance of the Faculty of Economic Sciences of Aurel Vlaicu University of Arad
- 2004 – present Assistant Professor (Lecturer) PhD. at the Department of Mathematics and Computer Science, Faculty of Exact Sciences of Aurel Vlaicu University of Arad
- 2009 Scientific researcher at the West University of Timisoara, Faculty of Mathematics
- 2009 Scientific secretary of the Research Center *Mathematical models and informatics systems*, Faculty of Exact Sciences, Aurel Vlaicu University of Arad, Romania

TEACHING ACTIVITY

- Differential Equations; Equations with Partial Derivatives; Differential Equations and Numerical Methods
- Special Chapters of Mathematics
- Operational Research: Games Theory; Linear and Nonlinear Programming
- Mathematical Analysis
- Theory of Probability
- Dynamical Systems
- Real Analysis
- Mathematical Statistics; Biostatistics
- Mathematical Modeling of Economic Processes
- Computational Geometry; Differential Geometry
- Stock Markets and Stock Exchange

SCIENTIFIC ACTIVITY AND RESEARCH

Fields of interest

- Mathematics: Mathematical Analysis, Control Theory, Dynamical Systems, Stability Theory, Stochastic Analysis, Convex Analysis
- Mathematical Modeling of Economic Processes: Mathematical Models for Economic Growth, Financial Mathematical Models, Control Theory Methods Applied in Economics
- Economics: International Finances, Sensitivity Analysis of Investments, Decision Modeling for Economic Processes, Stock Market and Stock Exchange

Books: 5 books with ISBN

Scientific Monographs: 2 scientific monographs with ISBN as results of the research in the field of evolution equations and stability theory

Scientific Articles: 55 scientific papers, 19 as single author and 14 in collaboration as first author, published in journals indexed ISI, in journals indexed in international databases representative for the research field, in journals classified CNCSIS and in volumes of international conferences with reviewers committees. The papers were reviewed in international databases as: ISI [Web of Science](#), ISI Web of Knowledge, Science Citation Index, [Science Citation Index Expanded \(SciSearch\)](#), Journal Citation Reports/Science Edition, Conference Proceedings Citation Index, Springerlink, Jstor, [SCOPUS](#), [SCIRUS](#), Mathematical Reviews, [MathSciNet](#), [Google Academic](#), [Google Scholar](#), Zentralblatt fur Mathematik, Current Contents/Physical, Chemical and Earth Sciences, Current Index to Statistics, Digital Mathematics Registry, HAL, ArXiv/Cornell University Library, UlrichsWeb, Intute, ICAAP

Conferences: participant with scientific papers at 54 international conferences, of which 11 abroad

Grants and contracts

- 2005 – 2008 member of the Research Grant CNCSIS No.1379/2005 of the Romanian Ministry of Education, Research and Innovation - *Asymptotic Behaviors for Deterministic and Stochastic Evolution Equations in Infinite Dimensional Spaces*, Director: prof. dr. Mihail Megan

- 2009 – 2011 member of the Exploratory Research Grant PN II ID 1080 No. 508/2009 of the Romanian Ministry of Education, Research and Innovation - *Advanced Research on Asymptotic Behaviors of Evolution Equations*, Director: prof. dr. Mihail Megan
- 2011 member of Research Project POSDRU56/1.2/S/32768 – *Formarea cadrelor didactice universitare si a studentilor in domeniul utilizarii unor instrumente moderne de predare-invatare-evaluare pentru disciplinele matematice, in vederea crearii de competente performante si practice pentru piata muncii*, Coordinators: prof. dr. Mihail Megan, prof. dr. Dumitru Gaspar

MISCELLANEA

- 1992 TEMPUS Scholarship of the European Union at the University of Angers, France
- 1996 and 2000 Scholarships and professional training at Siebold Gymnasium Highschool of Wuerzburg, Germany
- 1997 Listing in the *Annuaire des Boursiers Etrangers en France* (Yearbook of the Foreign Scholars in France) and participant at the International Conference of Scholars, Paris
- 1993 – 2000 member in scientific and organizing committies for the Mathematics Olympics
- 2002 – present member of the Research Seminar on *Mathematical Analysis and Applications in Control Theory*, West University of Timisoara, Coordinator: prof. dr. M. Megan
- member of the Research Seminar on *Operators Theory and Applications*, Coordinators: prof. dr. Dumitru Gaspar, conf. dr. Sorin Nadaban
- 2004, 2005, 2010 Listings in *Who's Who* (American Biographical Institute)
- 2009 - present – member in the scientific and organizing commity of the Mathematical Contest for Students *Caius Iacob*, organized by the Faculty of Exact Sciences of Aurel Vlaicu University of Arad and reviewed in the *Mathematical Gazette of the Romanian Mathematical Society*

- member in the organizing and scientific committees of:
 - the 9th Conference of the Romanian Society of Mathematical Sciences - Lugoj, 2005
 - the 8th Conference on Mathematical Analysis and Applications – West University of Timisoara, 2006
 - the International Symposium Research and Education in Innovation Era – Aurel Vlaicu University of Arad, 2006
 - the International Symposium Research and Education in Innovation Era – Aurel Vlaicu University of Arad, 2008
 - the 4th Annual International Conference on Mathematics and Statistics, Athens, Greece ATINER, 2010
- member in the editorial board of Essays in Mathematics and Statistics, ATINER Publishing House, Athens, Greece
- editor of the
 - Proceedings of the 9th Conference of the Romanian Mathematical Society, The West University of Timisoara Publishing House, Timisoara, 2006, ISBN 973-7608-37-2
 - Proceedings of the International Symposium Research and Education in Innovation Era, Mirton Publishing House, 2007, ISSN 1841-3293
 - Proceedings of the 8th Conference on Mathematical Analysis and Applications, published in the Annals of the West University of Timisoara, The West University of Timisoara Publishing House, Vol.1, 2007, ISBN 978-973-52-0108-1
 - Proceedings of the 8th Conference on Mathematical Analysis and Applications, The West University of Timisoara Publishing House, Vol.2, 2008, ISBN 978-973-52-0108-1
 - Proceedings of the International Symposium Research and Education in Innovation Era, 2nd Edition, The Aurel Vlaicu University of Arad Publishing House, 2008, ISSN 2065-2569

- Volume of the Mathematical Contest for Students *Caius Iacob*, The Aurel Vlaicu University of Arad Publishing House, 2010, ISBN 978-973-752-461-4
- 2008, 2010 – CNCSIS Awards for research results in ISI Journals
- member in
 - American Mathematical Society AMS
 - European Mathematical Society EMS
 - Romanian Mathematical Society SSMR
 - Society for Industrial and Applied Mathematics SIAM
 - SIAG on Control & Systems Theory
 - SIAG on Dynamical Systems
 - SIAG on Analysis of Partial Differential Equations
 - International Federation of Nonlinear Analysts IFNA
 - Mathematics and Statistics Research Unit of the Athens Institute for Education and Research ATINER
 - Economics Research Unit of the Athens Institute for Education and Research ATINER
- reviewer for
 - Mathematical Reviews - American Mathematical Society
 - Nonlinear Analysis - Elsevier

FOREIGN LANGUAGES

- written-spoken at good level: english, french, german
- written-spoken at fair level: greek, italian, spanish

Arad, 20.11.2011

Codruța Simona Stoica