PERSONAL INFORMATION Alina-Ramona Baias

CURRENT POSITION

Senior Lecturer
Technical University of Cluj-Napoca,
Faculty of Automation and Computer Science
Department of Mathematics

WORK EXPERIENCE

02/2017 – 09/2019

Technical University of Cluj-Napoca,
Faculty of Automation and Computer Science
Department of Mathematics
Assistant professor

03/2013-08/2019

Transylvania-College. The Cambridge International School in Cluj
Teacher of A-level Mathematics (Pure Mathematics & Statistics)

10/2008-10/2011

Babes-Bolyai University Cluj-Napoca,
Faculty of Mathematics and Computer Science,
Research Assistant (during Ph.D.)

EDUCATION AND TRAINING

10/2008-07/2013

PhD in Mathematics

Doctoral School of Mathematics and Computer Science

Babeş-Bolyai University Cluj-Napoca, Romania

Scientific coordinator: Prof. dr. Dorel Duca

Ph.D. thesis: *Dual representations and subdifferential formulae for convex risk functions. Contributions to extension theorems for set-valued maps.*
Thesis defended in July 2013

Grade: Magna cum laude

Replace with EQF (or other) level if relevant

10/2007-07/2008	**Master's degree in "Real and Complex Analysis"**
	Babeş-Bolyai University Cluj-Napoca, Romania
	Faculty of Mathematics and Computing Science
10/2003-07/2007	**Bachelor's degree in Mathematics and Physics**
	▪ Babeş-Bolyai" University Cluj-Napoca, Romania
	Faculty of Physics, Specialization: Mathematics and Physics
09/1999-06/2003	**Baccalaureate degree**
	Tiberiu Popoviciu Highschool of Computer Science, Cluj-Napoca

PERSONAL SKILLS

Mother tongue(s)   Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
	Language Certificate UTCN				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills: ▪ good communication skills developed during my teaching experience and as a result of attending several national and international scientific manifestations and conferences.

I attended a course in Project Management and Communication during the Ph. D. Program: "The Sectoral Operational Programme Human Resources Development, Contract POSDRU 6/1.5/S/3 - \Doctoral studies: through science towards society"

Organisational/managerial skills: ▪ 2019-2023- **Assistant manager** - project ROSE (Can!)- Education and career counseling for increasing the retention rate in the first year of university studies at the Faculty of Automation and Computer Science, Technical University of Cluj Napoca. ROSE (Romania Secondary Education Project)-AG239/SGU/NC/II

▪ Member of the **local organizing committee** of :
The 16th International Conference on Applied Mathematics and Computer Science , Cluj-Napoca, România, 3-6 July, 2019.

▪ **The 13th Romanian - German Seminar on Approximation Theory and its Applications** Cluj-Napoca, România, 3-6 July, 2019.

▪ **The 10th International Symposium on Generalized Convexity and Monotonicity**, Cluj-Napoca, România, 22-27 August, 2011

Digital skills: Advanced digital skills for Microsoft Office and other mathematical software as ● Maple ● Matlab● LaTeX● Mathematica

Other affiliations:
- Member of the Romanian Mathematical Society (SSMR)
- Member of Theodor Angheluta seminar Association

Didactical projects:
- 05.2023- Learning expert -project FDI-2023-F-0322, Technical University of Cluj Napoca.

- 2019-2020 Learning expert – support lectures for first-year students -project Rose "Centre of Learning and Study (CeSTI)", Technical University of Cluj Napoca AG99/SGU/CI/II.

- 2021 Member in the Group GLC 40 (Ministry of Education, Romania) for elaborating the National Methodological guidelines for applying the curriculum in Mathematics for high school classes (9th grade) in the 2021-2022 school year.

- 2022 Member in the Group GLC 40 (Ministry of Education, Romania) for elaborating the National Methodological guidelines for applying the curriculum in Mathematics for high school classes (10 th grade) in the 2022-2023 school year.

Research areas of expertise

Research domain: •Functional analysis •Ulam Stability of Equations and Operators• •Convex Analysis• Set-Valued Analysis

Reviewer for several mathematical journals
Math Reviews

Research stays: 10/2009-06/2010 Chemnitz University of Technology, Faculty of Mathematics, Germany

PUBLICATIONS: **20** Papers Published in ISI or BDI Journals

Hirsh-index 5 (Web of Science),
Hirsh -index 5 (Scopus),
Hirsh -index 6 (Google Scholar)

Relevant Publications :

1. **Baias, A.R.,** Popa, D., Rassias, M. Th.: Set-valued solutions of an equation of Jensen type, Quaest. Math., **(IF 0.81),** 8(1), doi: 10.2989/16073606.2022.2072249, (2022).

2. **Baias, A.R.,** Popa, D.: On the Best Ulam Constant of the Linear Differential Operator with Constant Coefficients, Mathematics, **(IF 2.592)**, 10(9), https://www.mdpi.com/2227-7390/10/9/1412, (2022).

3. **Baias, A.R**., Popa, D.: On the best Ulam constant of a higher order linear difference equation, Bull. Sci. Math., **(IF 1.032)**, 166, art no. 102928, https://doi.org/10.1016/j.bulsci.2020.102928, (2021).

4. **Baias, A.R.,** Blaga, F., Popa, D.: On the best Ulam constant of a first order linear difference equation in Banach spaces, Acta Math. Hung, **(IF 0.979)**, 163(2), 563–575, https://doi.org/10.1007/s10474-020-01098-3, (2021).

5. **Baias, A.R**., Popa, D.: On Ulam stability of a linear difference equation in Banach spaces, Bull. Malays. Math. Sci. Soc**.,(IF 1.397),** 43 (2), pp. 1357-1371, https://doi.org/10.1007/s40840-019-00744-6, (2020).

6. **Baias, A.R.,** D. Popa: On the best Ulam constant of the second order linear differential operator, **(IF 2.276),** Rev. R. Acad. Cienc. Exactas Fıs. Nat., Ser. A Mat., 114 (1), Article 23-15 pp, (2020).

7. **Baias, A.R.,** D. Popa: On Ulam stability of a third order linear difference equation in Banach spaces, Aequ. Math**., (IF 0.984),** 10.1007/s00010-020-00722-5, (2020)

8. **Baias, A.R.,** Popa, D., Rasa, I.: Ulam stability of a successive approximation equation, J. Fixed Point Theory Appl., **(IF 2)**, 22(2), Paper No. 41, (2020).

9. **Baias, A.R**., Blaga, F., Popa, D.: Best Ulam constant for a linear difference equation, Carpathian J. Math., **(IF 1.03),** 35, 13-22, (2019).

10. Bot, R.I., **Fratean (Baias), A.R**.:Looking for appropriate qualification conditions for subdifferential formulae and dual representations for convex risk measures, Math. Method. Oper. Res., **(IF 1.337)**, 74 (2), 191-215, (2011).

Conferences: I participated with communications and talks at **16 national and international conferences**

Cluj Napoca   **Lect. dr. Baias Alina Ramona**

Iunie 2023