TECHNICAL UNIVERSITY OF CLUJ-NAPOCA
FACULTY OF AUTOMATION AND COMPUTER SCIENCE

PERSONAL INFORMATION

First name(s) / Surname(s)	**RASA, IOAN**
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E-mail	**Ioan.Rasa@math.utcluj.ro**

CURRENT EMPLOYMENT / OCCUPATIONAL FIELD

• Date	2020
• Employer	Department of Mathematics; Faculty of Automation and Computer Science
• Occupation or position held	Contractual Professor (Full Professor until September 30, 2020)
• Main activities and responsibilities	Teaching and Research activities
• PhD Supervisor	Yes
• Field	Mathematics

EDUCATION AND TRAINING

• Year	1976
• Name and type of organization providing education and training	Babes-Bolyai University, Faculty of Mathematics Babes-Bolyai University, Faculty of Mathematics
• Title of qualification awarded	Professor
• Specialization	Mathematics
• Year	1982
• Name and type of organization providing education and training	Babes-Bolyai University, Faculty of Mathematics Babes-Bolyai University, Faculty of Mathematics
• Title of qualification awarded	PhD
• Specialization	Mathematics

TEACHING ACTIVITIES

PROFESSIONAL EXPERIENCE	COURSES HOLDER	SPECIALIZATIONS	YEAR
	Linear Algebra	Computer Science (English)	
	Algebra liniara	Computer Science (Romanian)	I
	Special Mathematics I	Computer Science (English)	I
	Probabilitati si statistica	Computer Science (Master+PhD)	VI

RESEARCH INTEREST   - Functional analysis and approximation theory, Inequalities
    - Probability theory, Statistics and Stochastic processes

Web of Science: Total Publications 115; h-index 16 ; Sum of Times Cited 915; Without self citations 689; Citing articles 504; Without self citations 422; Average citations per item 7.96.

Scopus: h-index 17;   **Academic Google**: h-index 22.

Recent publications

1. Janusz Brzdęk, Dorian Popa, Ioan Raşa, Bing Xu, Ulam Stability of Operators, Mathematical Analysis and its Applications, Series Editor Themistocles M. Rassias, Academic Press, 2018, ISBN: 978-0-12-809829-5, 225 pp.

2. Altomare, F., Cappelletti Montano, M., Leonessa, V., Rasa, I., Markov Operators, Positive Semigroups and Approximation Processes, De Gruyter Studies in Mathematics, Vol.61, 2014, ISBN:978-3-11-037274-8.

3. **Ali Aral, Daniela Inoan and Ioan Rasa**, Approximation properties of Szasz-Mirakyan operators preserving exponential functions, Positivity, https://doi.org/10.1007/s11117-018-0604-3

4.**Aral, A., Inoan, D., Raşa, I.,** On differences of linear positive operatorsl. Anal.Math.Phys. (2018). https://doi.org/10.1007/s13324-018-0227-7

5. Acar, T., Aral, A., Rasa, I., The new forms of Voronovskaya's theorem in weighted spaces, Positivity 20 (2016), 25–40. DOI 10.1007/s11117-015-0338-4

6. **Rasa, I.,** Convexity properties of some entropies, Results Math., (2018) 73:105

7.Altomare, F., Cappelleti-Montano, M., Leonessa, V., Rasa, I., On differential operators associated with Markov operators, J. Funct. Anal. 266 (2014) No.6, 3612–3631.

8.Altomare, F., Cappelleti-Montano, M., Leonessa, V., Rasa, I., On Markov operators preserving polynomials, J. Math. Anal. Appl. 415 (2014), 477–495.

9.Rasa, I., Entropies and Heun functions associated with positive linear operators, Appl. Math. Comput. 268 (2015), 422–431.

10.Rasa, I., Complete monotonicity of some entropies, Periodica Math. Hungar, DOI: 10.1007/s10998-016-0177-5.

11.Ciurte, A., Nedevschi, S., Rasa, I., Systems of nonlinear algebraic equations with unique solution, Numer. Algor. 68 (2015), 367–376.

12.Heilmann, M., Rasa, I., Eigenstructure and Iterates for Uniquely Ergodic Kantorovich Modifications of Operators, Positivity, DOI 10.1007/s11117-016-0441-1.

13.Gonska, H., Rasa, I., On the composition and decomposition of positive linear operators (V), Results Math, DOI 10.1007/s00025-016-0618-8.

14.Popa, D., Rasa, I., Hyers-Ulam stability of the linear differential operator with nonconstant coefficients, Appl. Math. Comput. 219 (2012), 1562-1568.

15.Popa, D., Rasa, I., On the Hyers-Ulam stability of the linear differential equation, J. Math. Anal. Appl. 381 (2011), 530-537.

PhD students: 10 (3 with confirmed degree; 2 with theses under CNATDCU review; 5 preparing their theses)

GRANTS, RESEARCH CONTRACTS

INTERNATIONAL GRANTS

1. Member of the research team working on the Drive C2x FP7 project, 2010-2013, Contract director Prof.dr.eng. Sergiu Nedevschi. Financing level: 89.000 Euro.

NATIONAL GRANTS

1. *Member* of the research team working on the PN 2 PARTNERSHIPS contract, no.11-020 / sept.2007 „CryptoRand - A High Performance System for Generation and Testing of Random Number Sequences for Cryptographic Applications" (http://cryptorand.utcluj.ro/), 2007-2010. Contract director: Prof. dr. eng. Alin Dumitru Suciu, Technical University of Cluj-Napoca.

2. Member of the research team working on the project PART 1280, "SEArCH – Adaptative elearning systems." 2007-2010. Contract director: Prof.dr.eng. Rodica Potolea.

GRANTS, INSTITUTIONAL PROJECTS

National projects
National projects
Rasa, I., (expert) project POSDRU/89/1.5/S/62557 EXCEL, 2010, Local manager: Prof.dr.eng. Sergiu Nedevschi

INVITED PLENARY LECTURES AT INTERNATIONAL CONFERENCES

1. Feller semigroups, elliptic operators and Altomare projections, Fourth International Conference on Functional Analysis and Approximation Theory, Acquafredda di Maratea, Italy, 2000.
2. One-dimensional diffusions and approximation, Fourth International Meeting on Approximation Theory, Jaen University, Spain, 2003.
3. Asymptotic behaviour of C0-semigroups associated with some differential operators, Fifth International Meeting on Approximation Theory, Jaen University, Spain, 2004.
4. Strongly continuous semigroups approximated by positive operators, International Conference on Functional Analysis, Operator Theory and Applications, Palermo, 2005.
5. Positive linear operators and evolution equations, International Conference Trends and Challenges in Applied Mathematics, UTCB, Bucharest, 2007.
6. Asymptotic behavior of iterates of positive linear operators, Tenth International Meeting on Approximation Theory, Jaen University, Spain, 2009.
7. C0- Semigroups and iterates of positive linear operators: asymptotic behavior, Sixth International Conference on Functional Analysis and Approximation Theory, Acquafredda di Maratea (Italy), 2009.
8. Ulam stability for composition of operators, CONFERENCE ON ULAM'S TYPE STABILITY, Politehnica University of Timişoara, Department of Mathematics, October 8-13, 2018, Timişoara, Romania
9. GENERALIZED BERNSTEIN OPERATORS AND SPECIAL FUNCTIONS, ICOM 2018, International Conference on Mathematics: An Istanbul Meeting for World Mathematicians
10. ENTROPIES, HEUN FUNCTIONS, CONVEXITY, The First International Workshop: Constructive Mathematical Analysis, Konya, Turkey, 2019.

EDITOR IN REVISTE ISI SI BDI

1. Results in Mathematics
https://www.springer.com/birkhauser/mathematics/journal/25?detailsPage=editorialBoard

2. Journal of Mathematical Inequalities
http://jmi.ele-math.com/editorial

3. Carpathian Journal of Mathematics
https://www.carpathian.cunbm.utcluj.ro/editorial-board/

4. Demonstratio Mathematica
https://www.degruyter.com/view/j/dema

5. Symmetry

https://www.mdpi.com/journal/symmetry/editors

si la revistele BDI:

1. Pan American Mathematical Journal
http://www.internationalpubls.com/Journals/PanAmerican-Editors.pdf

2. Advances in the Theory of Nonlinear Analysis and its Applications
https://atnaa.wordpress.com/editorial-board/

3. Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity
http://atps.tucn.ro/html/index3.html

4. Bulletin of Mathematical Analysis and Applications
http://bmathaa.org/editorial.html

5. Constructive Mathematical Analysis
http://dergipark.gov.tr/cma/board

PUBLICATIONS

BOOKS, MANUALS	unique author: 3
	team member: 6
PROBLEMS BOOK	1
SCIENTIFIC PAPERS PUBLISHED	115 in ISI Journals; 35 in indexed Journals.
MOTHER TONGUE	Romanian

Other   language(s)

Self-assessment

European   level   (*)

English

Italian

	Understanding			Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		
C2	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	C2	Proficient user
C2	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

Date

March 25, 2021   Prof. dr. Ioan Rasa