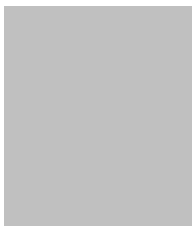


PERSONAL INFORMATION

Livia-Mihaela Bercheșan(Miholca)



JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Faculty of Automation and Computer Science, Department of
Mathematics, Associate Professor, Position 17

WORK EXPERIENCE

2019-present Lecturer, Faculty of Automation and Computer Science, Department of Mathematics
2015-2019 Assistant, Faculty of Automation and Computer Science, Department of Mathematics
2017-2019 Research Assistant, Exploratory Research CNCS, UEFISCDI, Project number PN-III-P4-ID-PCE-2016-0190, within PNCDIII, Babes-Bolyai University, Cluj-Napoca
2012-2016 Research Assistant, IDEI Project PN-II-ID-PCE-0024/2011, Babes-Bolyai University, Cluj-Napoca
2003-2007 Teacher, Elementary School "Constantin Brancusi" Cluj-Napoca
2001-2003 Teacher, High School "Anghel Saligny" Cluj-Napoca
1999-2001 Teacher, Elementary School "Alexandru Vlahuta" Cluj-Napoca

EDUCATION AND TRAINING

10.2007-06.2014, Ph. D student, Babes-Bolyai University Cluj-Napoca, Ph. D Thesis "Contributions to the Theory of Equilibrium Problems and Variational Inequalities"
10.1998-31.06.1999, Faculty of Mathematics and Informatics, Babes-Bolyai University, Advanced Studies In Commutative Algebra
10.1994-31.06.1998, Faculty of Mathematics and Informatics, Babes-Bolyai University, Licensed in Mathematics
24-28.07.2013, Summer School of ICCOPT 2013, Lisbon, Portugal

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B1	B1
Technical University of Cluj-Napoca, Modern Language and Communication Department					

Math Collections

- [1] Mihaela Miholca et al., Undergraduate Topics and Models, Icar (2006), ISBN 973-606-105-1.
- [2] Livia-Mihaela Berchesan(Miholca) et al., Math for Highschool, Icar, ISBN 978-973-606-135-6
- [3] Livia-Mihaela Berchesan et al., Math Grid Tests 2018, U.T. Press, Cluj-Napoca 2018.
- [4] Livia-Mihaela Berchesan, Special Mathematics, U.T. Press, Cluj-Napoca 2018, ISBN 978-606-737-332-5.

Scientific Activity

Research Topics

Convex analysis, Nonlinear Analysis, Optimization, Variational Inequalities, Equilibrium Problem

Publications

Author of 11 articles, of which 10 are published in ISI scientific journals, 1 BDI journal, 4 math collections

Relevant Publications

- [1] **M. Miholca**, On set-valued optimization problems and vector variational-inequalities, *Optim. Lett.* 8(2), 463-476, 2014.
- [2] G. Kassay, **M. Miholca**, Existence results for vector equilibrium problems given by a sum of two functions, *J. of Global Optim.* 63(1), 195-211, 2015.
- [3] **M. Miholca**, Cyclically antimonotone vector equilibrium problems, *Optimization*, 67(12), 2191-2204, 2018.
- [4] **M. Miholca**, Global Well-Posedness in Set Optimization, *Numerical Functional Analysis and Optimization* 42(14), 1700-1717, 2021.
- [5] **M. Miholca**, Well-posedness for set-valued equilibrium problems, *Studia Mathematica Universitatis Babeş-Bolyai* 67(1), 91-103, 2022.

Reviewer

Journal of Optimization Theory and Applications, Optimization, Research Letters, Computational and Applied Mathematics

ADDITIONAL INFORMATION

Conferences

1. 10th International Symposium on Generalized Convexity and Monotonicity (GCM10), August 22-27, 2011, Cluj-Napoca, Romania.
2. Seminar of the Research Group on Analysis and Optimization, Babeş-Bolyai University, Cluj-Napoca, Romania, March 14, 2013, "On surjectivity of some classes of generalized monotone operators".
3. 11th EUROPT Workshop on Advances in Continuous Optimization, June 26-28, 2013, Firenze, Italy, "Existence results for variational inequality with surjectivity consequences related to generalized monotone operators".
4. The Fourth International Conference on Continuous Optimization (ICCOPT), July 27-August 1, 2013, Lisbon, Portugal, "Existence results for variational inequalities with surjectivity consequences related to generalized monotone operators".
5. Conference on Numerical Analysis and Optimization (NAOiii), January 5-9, 2014, Muscat, Oman, "Some existence results on equilibrium problems and applications".
6. Seminar of the Research Group on Analysis and Optimization, Babeş-Bolyai University, Cluj-Napoca, February 27, 2014, "On vector equilibrium problems given by a sum of two functions".
7. Workshop on Optimization, Game Theory and Related Topics, Department of Mathematics, University of Genova, Italy, 8-9 May, 2014, (invited speaker) "On vector equilibrium problems given by a sum of two functions".
8. 20th Conference of the International Federation of Operational Research Society (IFORS 2014), Barcelona, Spain, July 13-18, 2014, "On vector equilibrium problems given by a sum of two functions".
9. International Conference on Nonlinear Operators, Differential Equations and Applications (ICNODEA), Cluj-Napoca, Romania, July 14-17, 2015, "Vector quasi-equilibrium problems for the sum of the two multivalued functions".
10. 28th European Conference on operational Research, Poznan, Poland, July 3-6, 2016, "Existence results for vector equilibrium problems given by a sum of two functions".
11. Variational analysis, equilibria and optimization, A workshop in honor of Gabor Kassay for his 60th birthday, Pisa, Italy, May 29-30, 2017, "Ekeland's principle for cyclically antimonotone vector bifunctions and weak vector equilibrium problems".
12. 29th European Conference on operational Research, Valencia, Spain, July 8-11, 2018, "Cyclically antimonotone vector equilibrium problems".
13. 16th International Conference on Applied Mathematics and Computer Science, Cluj-Napoca, Romania, July 3-6, 2019.
14. Workshop Equilibrium Problems and Related Topics, Department of Information Engineering, Computer Science and Mathematics, University of L'Aquila, Italy, 20-21 May, 2022, (invited speaker) "Well-posedness for set-valued equilibrium problems".

Research Teams

Member in Exploratory Research CNCS UEFISCDI, Project number PN-III-P4-ID-PCE-2016-0190, within PNCDIII, Babes-Bolyai University Cluj-Napoca, UEFISCDI.

Member in IDEI PN-II-ID-PCE-0024/2011, Babes-Bolyai University Cluj-Napoca, UEFISCDI.

Member in Research Group in Analysis and Optimization, Babes-Bolyai University Cluj-Napoca.

Rewarded Articles

- [1]. G. Kassay, **M. Miholca**, Existence results for variational inequalities with surjectivity consequences related to generalized monotone operators, J. Optim. Theory Appl. 159, 721-740, 2013.
- [2]. **M. Miholca**, On set-valued optimization problems and vector variational inequalities, Optim. Lett. 8(2) , 463-476, 2014.
- [3]. **M. Miholca**, Vector variational-like inequalities and vector optimization problems, Carpathian J. Math. 30(1), 101-108, 2014.
- [4]. G. Kassay, **M. Miholca**, Existence results for vector equilibrium problems given by a Sum of two functions, J. of Global Optim., 63(1) 195-211, 2015.
- [5]. G. Kassay, **M. Miholca**, Nyguen The Vinh, Vector Quasi-Equilibrium Problems for the Sum of Two Multivalued Mappings, J. Optim. Theory Appl. 169(2), 424- 442, 2016.
- [6]. **M. Miholca**, Cyclically antimonotone vector equilibrium problems, Optimization, 67(12), 2191-2204, 2018.

Teaching Activity

Courses and Seminars:
Analytical and Differential Geometry
Linear Algebra
Geodesic Astronomy

Bercheșan(Miholca) Livia-Mihaela

