PERSONAL INFORMATION

Radu MICULESCU

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POSITION
IOSUD UTBv

PhD Coordinator
Doctoral studies field: Mathematics
Since 2015

EXPERTISE FIELD AND RESEARCH INTEREST AREAS

Fractal sets; Lipschitz functions

WORK EXPERIENCE

2018 - present: **Full Professor**, Faculty of Mathematics and Informatics, Transilvania University of Brasov, Mathematics and Informatics Department

https://mateinfo.unitbv.ro/

Teaching and research

2006 - 2018: **Associated Professor**, Faculty of Mathematics and Informatics, Bucharest University

Chair of Mathematical Analysis/ Mathematics Department

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Teaching and research

2002 - 2006: **Lecturer**, Faculty of Mathematics and Informatics, Bucharest University, Chair of Mathematical Analysis

http://fmi.unibuc.ro/ro/

Teaching and research

1996 - 2002: **Assistant Professor**, Faculty of Mathematics, Bucharest University, Chair of Mathematical Analysis

http://fmi.unibuc.ro/ro/

Teaching and research

1992 - 1996: **Junior Assistant Professor**, Faculty of Mathematics, Bucharest University, Chair of Mathematical Analysis

http://fmi.unibuc.ro/ro/

Teaching and research

EDUCATION AND TRAINING

Habilitation Thesis, Mathematics, Babes-Bolyai University, 2015

Ph. D in Mathematics, Bucharest University, 1999

Faculty of Mathematics, Bucharest University,1992

High School "Ienachita Vacarescu", Targoviste, 1986

PERSONAL SKILLS

Mother tongue(s)   Romanian

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C2	B2	B1	B1

English

Communication skills

Good communication skills gained through my didactic experience

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Basic user

Good mathematical writing skills in Scientific Word Place and Word.

ADDITIONAL INFORMATION

Publications

55 scientific papers, one book edited by Springer Verlag, one book edited by The Romanian Academy Publishing House, several textbooks edited by the University of Bucharest Publishing House

Conferences   18 presentations at conferences in Romania and abroad

Honours and awards   Spiru Haret prize awarded by the Romanian Academy, 2004

Citations   Over 162 citations in ISI journals

H Indexes   H index ISI 8; H index Scopus 7; H index Google Scholar 10

ANNEXES

LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)

R. Miculescu, *Lipschitz functions,* **Lecture Notes in Mathematics**, volume 2241 (with Stefan Cobzas and Adriana Nicolae), Springer Verlag, 2019
https://link.springer.com/book/10.1007/978-3-030-16489-8

R. Miculescu, *Lipscomb's space ω^A is the attractor of an infinite IFS containing affine transformations on $l^2(A)$,* **Proceedings of the American Mathematical Society**, 136 (2008), 587-592 (with A. Mihail).
WOS:000251536800026
https://www.ams.org/journals/proc/2008-136-02/S0002-9939-07-08981-2/S0002-9939-07-08981-2.pdf

R. Miculescu, *A sufficient condition for a finite family of continuous functions to be transformed into ψ-contractions,* **Annales Academiae Scientiarum Fennicae Mathematica**, 41 (2016), 51-65 (with A. Mihail).
WOS:000371365600004
http://www.acadsci.fi/mathematica/Vol41/vol41pp051-065.pdf

R. Miculescu, *A new algorithm that generates the image of the attractor of a generalized iterated function system*, **Numerical Algorithms**, sub tipar 2019 (with A. Mihail and S. Urziceanu). WOS:
https://link.springer.com/article/10.1007/s11075-019-00730-w

R. Miculescu, *Alternative characterization of hyperbolic affine infinite iterated functions systems*, **Journal of Mathematical Analysis and Applications**, 407 (2013), 56-68 (with A. Mihail). WOS:000320423000005
https://www.sciencedirect.com/science/article/pii/S0022247X13004241

R. Miculescu, *On a question of A. Kameyama*, **Journal of Mathematical Analysis and Applications**, 422 (2015), 265-271 (with A. Mihail). WOS:000349938500014
https://www.sciencedirect.com/science/article/pii/S0022247X14007471

R. Miculescu, *Approximation of infinite dimensional fractals generated by integral equations*, **Journal of Computational and Applied Mathematics,** 234 (2010), 1417-1425 (with I. Chitescu and H. Georgescu). WOS:000277817400008
https://www.sciencedirect.com/science/article/pii/S0377042710000993

R. Miculescu, *A Nadler type result for iterated multifunction systems*, **Journal of Fixed Point Theory and Applications,** (2019) 21: 79 (with A. Mihail). WOS: 000475931700001.
https://link.springer.com/article/10.1007/s11784-019-0718-7

R. Miculescu, *New fixed point theorems for set-valued contractions in b-metric spaces*, **Journal of Fixed Point Theory and Applications,** 19 (2017), 2153-2163 (with A. Mihail). WOS:000408911000028
https://link.springer.com/article/10.1007/s11784-016-0400-2

R. Miculescu, *The canonical projection associated with certain possibly infinite generalized iterated function systems as a fixed point*, **Journal of Fixed Point Theory and Applications,** (2018) 20: 141 (with S. Urziceanu). WOS:000445188100001.
https://link.springer.com/article/10.1007/s11784-018-0618-2

R. Miculescu, *A generalization of the Hutchinson measure*, **Mediterranean Journal of Mathematics**, 6 (2009), 203-213 (with A. Mihail). WOS:000267395200005
https://link.springer.com/article/10.1007/s00009-009-0005-8

R. Miculescu, *Generalized iterated function systems with place dependent probabilities*, **Acta Applicandae Mathematicae**, 130 (2014), 135-150. WOS:000333333000006
https://link.springer.com/article/10.1007/s10440-013-9841-4

R. Miculescu, *Type A sets and the attractors of infinite iterated function systems*, **Results in Mathematics**, 66 (2014), 511-524 (with I. Chitescu and L. Ioana). WOS:000344346500014
https://link.springer.com/article/10.1007/s00025-014-0391-5

R. Miculescu, *Monge-Kantorovich norms on spaces of vector measures*, **Results in Mathematics**, 70 (2016), 349-371 (with I. Chitescu, L. Nita and L. Ioana). WOS:000389831000004
https://link.springer.com/article/10.1007/s00025-016-0531-1

R. Miculescu, *Operators on spaces of functions and measures. Vector invariant (fractal)measures*, **Results in Mathematics**, (2018), 73:139 (with I. Chitescu, L. Nita and L. Ioana). WOS:000446345000003
https://link.springer.com/article/10.1007/s00025-018-0903-9

R. Miculescu, *A generalization for a finite family of functions of the converse of Browder's fixed point theorem*, **Bulletin of the Brazilian Mathematical Society, New Series**, 49 (2018), 673-698 (with Alexandru Mihail). WOS:000451286300001
https://link.springer.com/article/10.1007/s00574-018-0076-x

R. Miculescu, *Invariant measures of Markov operators associated to iterated function systems consisting of phi-max- contractions with probabilities*, **Indagationes Mathematicae**, 30 (2019), 214-226 (with F. Georgescu and A. Mihail). WOS:000456641900015
https://www.sciencedirect.com/science/article/pii/S0019357718304919

R. Miculescu, *Hardy-Rogers type iterated function systems*, **Qualitative Theory of Dynamical Systems**, 19, 37 (2020) https://doi.org/10.1007/s12346-020-00378-1 (with F. Georgescu and A. Mihail). WOS: 000511945100001.
https://link.springer.com/article/10.1007/s12346-020-00378-1

R. Miculescu, *A characterization of compact operators via the non-connectedness of the attractors of a family of IFSs*, **Complex Analysis and Operator Theory**, 7 (2013), 1819-1830 (with A. Mihail). WOS:000327125900006
https://link.springer.com/article/10.1007/s11785-012-0251-9

R. Miculescu, *Remetrization results for possible infinite self-similar systems*, **Topological Methods in Nonlinear Analysis**, 47 (2016), 335-345 (with A. Mihail). WOS:000375174600017
https://projecteuclid.org/euclid.tmna/1458740742