

Curriculum Vitae

Vasile BERINDE

1. Personal Data

Affiliation: 1) Department of Mathematics and Computer Science, North University Center at Baia Mare, Technical University of Cluj-Napoca, Victoriei 76, 430122 Baia Mare ROMANIA

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2) Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals, Dhahran Saudi Arabia (Adjunct Professor, 2014-present)

2. Education

Ph.D., Nonlinear Analysis (1993)
“Babes-Bolyai” University, Cluj-Napoca, Romania
Advisor: Professor Ioan A. RUS
Title of Thesis: Generalized contractions and applications

M.Sc., Nonlinear Analysis. Numerical Analysis (1979)
“Babes-Bolyai” University, Cluj-Napoca, Romania
Advisor: Professor Ioan A. RUS
Title of Thesis: Approximation of fixed points of continuous mappings

B.Sc., Mathematics and Computer Science (1979)
“Babes-Bolyai” University, Cluj-Napoca, Romania

3. Employment History

1998-present: *Full Professor*
North University of Baia Mare

1994-1998: *Associate Professor*
North University of Baia Mare

1990-1994: *Assistant Professor*
North University of Baia Mare

1979-1990: *Computer Analyst Programmer and Head of Computer Office*
RAMIRA Baia Mare Computer Office

4. University Administration Positions

1999-present: *Chair (Director) of Department, Department of Mathematics and Computer Science, North University of Baia Mare*

2001-present: *Director, Research Centre “Pure and Applied Mathematics”*

North University of Baia Mare

2005-2014: *Director, Mathematics Doctoral School*

North University of Baia Mare

1997-1999: *Dean, Faculty of Sciences*

North University of Baia Mare

1995-1997: *Head, Chair of Mathematics and Computer Science*

North University of Baia Mare

5. Teaching

5.1. Undergraduate, graduate and post graduate courses

Linear algebra, analytic geometry and ordinary differential equations (1990-1993);

Advanced engineering mathematics (1993-2003);

Real analysis (1993-present);

Fixed point theory (1994-2008);

Methods for approximation of fixed points (2001-2003; 2006-2014);

ODE and PDE (2004-present);

Scientific Computing (2002-2009);

Graph theory (1999-2002);

Iterative methods for solving nonlinear functional equations (2005-2014)

Nonlinear Analysis (2005-2014)

Teaching mathematics for gifted students (2001-present)

5.2. Advisor for graduate students

Advisor for more than 30 BSc Theses

North University of Baia Mare

6. Editorial activity

Editor-in-Chief, *Carpathian J. Math.* (<http://carpathian.ubm.ro>)

Editor-in-Chief, *Creative Math. Inform.* (<http://creative-mathematics.ubm.ro>);

Associate Editor, *Fixed Point Theory and Applications* ([http://](http://www.fixedpointtheoryandapplications.com/about/edboard)

www.fixedpointtheoryandapplications.com/about/edboard)

Editor, *Fixed Point Theory* ([http://www.math.ubbcluj.ro/~nodeacj/](http://www.math.ubbcluj.ro/~nodeacj/editorial_board.htm)
[editorial_board.htm](http://www.math.ubbcluj.ro/~nodeacj/editorial_board.htm));

Editor, *Journal of Applied Mathematics* ([http://www.hindawi.com/journals/jam/](http://www.hindawi.com/journals/jam/editors/)
[editors/](http://www.hindawi.com/journals/jam/editors/))

Editor, *Linear and Nonlinear Analysis* (<http://www.ybook.co.jp/lina.html>)

Member, Editorial Board, *General Mathematics* ([http://depmath.ulbsibiu.ro/](http://depmath.ulbsibiu.ro/genmath/EditorialBoard.html)
[genmath/EditorialBoard.html](http://depmath.ulbsibiu.ro/genmath/EditorialBoard.html));

Member, Editorial Board, *Gazeta Matematică* (<http://gmb.ssmr.ro/despre/redactie>);

Member, Editorial Board, *Revista de Matematică din Timișoara* (founded in 1921);

Member, Editorial Board, *Educația Matematică* ([http://depmath.ulbsibiu.ro/](http://depmath.ulbsibiu.ro/educamath/em/copert.html)
[educamath/em/copert.html](http://depmath.ulbsibiu.ro/educamath/em/copert.html));

Member, Editorial Board, *Carpathian Mathematical Publications* (<http://>

www.journals.pu.if.ua/index.php/cmp/about/editorialTeam);
Member, Editorial Board, *Matematika Plus* (Bulgaria)
Member, Editorial Board, *Didactica Mathematica* (Cluj-Napoca)
Member, Scientific Board, Journal of Sciences and Arts (www.josa.ro)

7. Research

7.1. Research Interests

Nonlinear Analysis. Fixed Point Theory
Iterative Approximation of Fixed Points
Numerical Analysis

7.2. Publications in Refereed Journals

More than 230 published papers (128 reviewed in Mathematical Reviews; 136 reviewed in Zentralblatt MATH)

7.3. Research Supervision

M.Sc. Supervised

Supervisor for more than 20 MSc Theses
North University of Baia Mare

Ph.D. Theses Supervised (defended)

Mihaela Petric, *Fixed point theorems for cyclic contractive type mappings*, 2011

Marin Borcut, *Tripled fixed point theorems and applications*, 2012

Monica Luran, *The technique of nonexpansive mappings for solving integral equations with modified argument*, 2012

Florin Bojor, *Fixed point theorems in metric spaces endowed with a graph*, 2012

Ioana Timis (Daraban), *Stability and weak stability of fixed point iteration procedures*, 2013

Oana Bumbariu, *Acceleration techniques for fixed point iterative methods*, 2013

Andrei Bozântan, *New implementation of fixed point algorithms with applications to nonsmooth optimisation*, 2014

Adina Loredana Pop (Melnicuic), *Contributions to the theory of (n,m) -semirings and n -semigroups*, 2014

Ph.D. Thesis Committee Member

- Universitatea "Babes-Bolyai" Cluj-Napoca : 1997 (Pop N.; Bărbosu D.); 2000 (Șerban M.) ; 2001 (Sântămărian A.) ; 2002 (Muntean A.); 2003 (Rusu V.) ; 2004 (Miklos E.; Baranyi T.; Șoltuz Șt.; Bica A.) ; 2005 (Dârză-Ilea V.); 2007 (Petrușel G.); 2008 (Zelina I.); 2009 (Boriceanu M., Petru Petra T., Blaga Al.); 2010 (Lazar Tania); 2011 (Filip Alexandru-Darius); Cristina Urs (2013)
- Universitatea Tehnica din Cluj-Napoca: 2002 (Rusu C.)
- Universitatea de Vest Timișoara: 2004 (Drăgan M.); 2009 (Popirlan C.); 2010 (C. M. Cira); 2012 (A. Popitiu Petre); Liviu Scai Maftciu (2013); Claudia Zaharia (2013); Lavinia Moatar (Moleriu) (2013)
- Universitatea "Ovidius" Constanta: Lacramioara (Lita) Grecu (2013); Cristina (Serban) Gherghina (2014)
- Universitatea de Nord Baia Mare: Marius Nicolae Heljiu (2011), Gheorghe Ardelean (2012); Petru Braica (2013)
- Universitatea "Politehnica" Bucuresti: 2009 (Muresan C.)
- National University of Sciences and Technology, Rawalpindi, Pakistan (Quanita Kiran)
- Andhra University, India, 2010 (A. G. Negash)
- Universidad Las Palmas de Gran Canaria, Spain, 2014 (J. Harjani)

Habilitation Thesis Committee Member

- Institute of Mathematics of the Romanian Academy, Bucharest, 2013 (L. Leuștean)
- University "Politehnica" Bucharest, 2013 (M. Postolache)
- University of Bucharest, 2013 (Maria Joița)
- "Babeș-Bolyai" University of Cluj-Napoca, 2014 (Radu Miculescu), 2015 (Nicolae Seceleanu)

7.4. Research Projects (most recent)

• Project KFUPM IN141017 (Fixed point and iterations for nonlinear mappings in hyperbolic spaces, PI: Dr. Abdul Rahim Khan, SR 136180.00; period:1.09.2015-31.08.2017)

• Project PN-II-ID-PCE-2011-3-0087: *Methods and algorithms in the asymptotic analysis of the gamma function and related functions*, funded by the Romanian National Research Agency (2011-2013)

• Project PN-II-RU-TE-2011-3-0239: *Fixed point theorems for mappings defined on Cartesian product with applications to solving nonlinear functional equations*, funded by the Romanian National Research Agency (2012-2014)

7.5. Conference Presentations

- more than 85 presentations at international conferences

7.6. Plenary/invited speaker at International Conferences / Workshops

A royal way in mathematics: from problem solving activity to research work, European Student Conference in Mathematics (EUROMATH 2009), 5-8 February 2009, Nicosia, Cyprus

Single-valued and multi-valued almost contractions. An early survey (co-author M. Pacurar), International Workshop on Fixed Point Theory and Applications, October 11-14, 2012, Galatasaray University, Istanbul, Turkey

On the stability of multi step fixed point iteration procedures (co-author Madalina Pacurar) 20th Conference on Applied and Industrial Mathematics. Dedicated to acad. Mitrofan M. Ciobanu, 22-25 august 2012, Chisinau, R. Moldova

Fixed point theorems for single-valued non-self almost contractions satisfying property (M) (co-author Madalina Pacurar), International Scientific Conference Mathematics & IT: Research and Education MITRE-2013, Chişinău, Republic of Moldova, 18-22 August 2013

Fixed point theorems for single-valued and multi-valued nonself almost contractions, Workshop on Fixed Point Theory and Applications, King Fahd University of Petroleum and Minerals Dhahran, Saudi Arabia, 22-23 December 2014

On convex contractions and almost contractions, 9th International Conference on Nonlinear Analysis and Convex Analysis, Thailand, Chiang Rai, 21 January 2015-25 January 2015

Existence and approximation of solutions of a class of first order iterative differential equations, Int. conf. on nonlinear operators, differential equations and applications, July 14-17, 2015, Cluj-Napoca, Romania

Constructive fixed point theorems. Theory versus applications in the field of fixed point theory and its applications, 11th Int. Conf. on fixed point theory and applications, July 20-24, Istanbul, Turkey

7.7. Conference Scientific Committee Member (selective)

- International Conference “45th Anniversary of Techn. Univ. Kosice”, 25-26 Oct 1997
- First Southern Symposium on Computation, Univ. of Southern Mississippi, 4-5 Dec 1998
- International Sci. Conference on Mathematics, Technical Univ. Kosice, 21-23 Oct 1999
- 2nd Conference on Numerical Analysis and Applications, June 11-15, 2000, Rouse
- 4th Int. Conf. on Parallel Processing and Applied Math., Sept. 9-12, 2001, Naleczow, Poland
- ICNODEA 2004, Univ. “Babes-Bolyai” Cluj-Napoca, 24-27 august 2004
- SYNASC – 2004 (6th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 26-30 sept 2004, Univ. de Vest Timisoara
- SYNASC – 2005 (7th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 25-29 sept 2005, Univ. de Vest Timisoara
- ICCCC (International Conference on Computers Comm. & Control), June 1-3, 2006, Oradea

- SYNASC – 2006 (8th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 26-30 sept 2006, Univ. de Vest Timișoara
- CANA'07 (Computer Aspects of Numerical Algorithms), October 15-17, 2007, Wisla, Poland
- SYNASC – 2007 (9th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 26-29 sept 2007, Univ. de Vest Timișoara
- SYNASC – 2008 (10th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 25-28 sept 2008, Univ. de Vest Timișoara
- CANA'08 (Computer Aspects of Numerical Algorithms workshop), Wisla, Poland, October 20-22, 2008
- SYNASC – 2009 (11th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 26-29 sept 2009, Univ. de Vest Timișoara; symposium Chair
- WCO-2009 Workshop on Computational Optimization, IMCSIT 2009 - International Multiconference on Computer Science and Information Technology, 12-14 October 2009, Mragowo, Poland
- International Conference on Computers, Communications and Control, ICCCC 2010, Baile Felix, Oradea (Romania), May 12-16, 2010
- SYNASC – 2010 (11th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 23-26 September 2010, Univ. de Vest Timișoara; symposium Chair
- ICNODEA 2011, Univ. “Babes-Bolyai” Cluj-Napoca, 5-8 July 2011
- Fifth International Workshop Constructive Methods for Nonlinear Boundary value Problems, Univ. of Miskolc, Ungaria, Tokaj, 28 June-1 July 2012
- 10th International Conference on Fixed Point Theory and Applications, Univ. Babes-Bolyai Cluj-Napoca, 9-15 July 2012
- SYNASC-2012 (13th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 26-29 September 2012, Univ. de Vest Timișoara; IAFP symposium Chair;
- SYNASC-2013 (14th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 23-26 September 2013, Univ. de Vest Timișoara; IAFP symposium Chair;
- SYNASC-2014 (15th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 22-25 September 2014, Univ. de Vest Timișoara; IAFP symposium Chair;
- ICFPTA (11th Int. Conf. on fixed point theory and applications), July 20-24, Istanbul, Turkey
- SYNASC-2015 (16th Symposium on Symbolic and Numeric Algorithms for Scientific Computing), 21-24 September 2015, Univ. de Vest Timișoara; IAFP symposium Chair;

7.8. Citations

- Google citations: > 2710 (h-index=24; i10-index=40)
- ISI Web of Science citations: more than 1200 citations (self citations excluded; h-index=15; more than 750 ISI Web of Science citations to papers published in ISI Web of Science journals)

7.9. Invited conferences

- (1) *Iterative approximation of fixed points*, Univ. Pierre et Marie Curie, CNRS, GT Methodes Numeriques, 18 June 2007
- (2) *A royal way in mathematics: from problem solving activity to research work* (plenary lecture), European Student Conference in Mathematics (EUROMATH 2009), 5-8 February 2009, Nicosia, Cyprus
- (3) *Overview: the Current Higher Education System in ROMANIA*
Univ. of Ruse, Bulgaria, 15 February 2010
- (4) V. Berinde, *Constructive Fixed Point Theory and Applications*, Invited Seminar, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, 27th November, 2012
- (5) V. Berinde, *Constructive Fixed Point Theory and Applications*, Invited Seminar, King Abdulaziz University, Jeddah, Saudi Arabia, 12 February 2013
- (6) V. Berinde, *Recent trends in fixed point theory*, Naresuan University, Thailand, 21 November 2013 (invited conference)
- (7) V. Berinde, *Approximating fixed points and common fixed points of almost contractions*, Naresuan University, Thailand, 21 November 2013 (invited conference)
- (8) V. Berinde, *Stability of fixed point iteration procedures*, Naresuan University, Thailand, 21 November 2013 (invited conference)
- (9) V. Berinde, *Approximating coupled and triple fixed points and applications*, Chiang Mai University, Thailand, 26 November 2013 (invited conference)
- (10) V. Berinde, *On the role of the Pompeiu-Hausdorff metric in mathematics and multidisciplinary fields of research*, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, 29th of January, 2014 (invited conference)
- (11) V. Berinde, *Mathematical olympiads and their impact on the Romanian mathematics education system*, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, 10th of February, 2014 (invited conference)
- (12) V. Berinde, *Fixed point theory of multi-valued mappings. Role of Pompeiu-Hausdorff metric*, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, January 16-20, 2015
- (13) V. Berinde, *Fixed point theorems for single-valued and multi-valued nonself almost contractions*, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, January 16-20, 2015

8. Conference Organizer

- “35 de ani de învățământ superior matematic în Maramureș”, Univ. Baia Mare, 18-20 Oct 1996
- Prima Conferință de Matematici Aplicate, Univ. Baia Mare, 17-18 Octombrie 1998
- 2nd International Conference on Applied Mathematics, Univ. Baia Mare, 19-21 Oct 2000
- 135th Pannonian Applied Mathematics Meetings, Univ. Baia Mare, 14-17 Oct 2001
- 3rd International Conference on Applied Mathematics, Univ. Baia Mare, 10-13 Oct 2002
- 4th Internat. Conference on Applied Mathematics, Univ. Baia Mare, 23-26 Sept 2004
- 5th Internat. Conference on Applied Mathematics, Univ. Baia Mare, 21-24 Sept 2006

- 6th Internat. Conference on Applied Mathematics, Univ. Baia Mare, 18-21 Sept 2008
- 7th International Conference on Applied Mathematics, Univ. Baia Mare, 1-4 Sept 2010
- 8th International Conference on Applied Mathematics, Univ. Baia Mare, 27-30 Oct 2011
- CEEPUS Summer School “Mathematical Modeling and Computational Mathematics”, 1st edition, Baia Mare-Borsa, 16-31 August 2010
- CEEPUS Summer School “Mathematical Modeling and Computational Mathematics”, 2nd edition, Baia Mare-Borsa, 16-31 August 2011
- The 10th International Conference on FIXED POINT THEORY AND ITS APPL. July 9 - 15, 2012, Babeş-Bolyai University, Cluj-Napoca, Romania
- Simpozionul “Centenar Spiru Haret”, Univ. Baia Mare, 17 decembrie 2012
- CEEPUS Summer School “Mathematical Modeling and Computational Mathematics”, 3rd edition, Baia Mare-Borsa, 16-31 August 2013
- 9th International Conference on Applied Mathematics, Univ. Baia Mare, 25-28 Sept 2013
- 5th Minisymposium on Fixed Point Theory and Applications (10th International Conference on Applied Mathematics), Baia Mare, 1-7 June 2014
- CEEPUS Summer School “Mathematical Modeling and Computational Mathematics”, 4th edition, Baia Mare-Poiana Negrii, 1-15 June 2014

9. Research visits

Vrije Universiteit Brussel, Belgium, April-July 1996
 University of Rousse, Bulgaria, August 1997
 Technical University Kosice, Slovakia, April 2002
 University of Miskolc, Hungary, March 2003
 Universidad Catolica de Valparaiso, Chile, May 2003
 Technical University Lublin, Poland, April 2004
 International Center for Theoretical Physics Trieste, November 2004
 St. Istvan University Budapest, Hungary, May 2005
 Technical University Kosice, Slovakia, April 2007
 Universite Pierre et Marie Curie (Paris VI), Paris, June 2007
 University of Applied Sciences Vienna, Austria, April 2008
 International Center for Theoretical Physics Trieste, May-June 2008
 Universite Pierre et Marie Curie (Paris VI), Paris, June-July 2008
 University of Rousse, Bulgaria, February 2010
 Technical University Kosice, Slovakia, May-June 2011; July 2012
 King Fahd University of Petroleum and Minerals, Dahrhan, Saudi Arabia, November-December 2012
 King Abdulaziz University, Jeddah, Saudi Arabia, February 2013
 Naresuan University and Chiang Mai University, Thailand, November 2013
 King Fahd University of Petroleum and Minerals, Dahrhan, Saudi Arabia, January-February 2014
 King Fahd University of Petroleum and Minerals, Dahrhan, Saudi Arabia, December 2014-January 2015

10. Activity in the framework of Professional Societies

10a. Membership

Member, Romanian Mathematical Society;
Member, American Mathematical Society;
Member, European Mathematical Society;
Member, Romanian Society for Applied and Industrial Mathematics (ROMAI);
SINUS Association

10b. Positions held

Vice-president, Romanian Mathematical Society (2012-2016);
President, Maramureş Branch of Romanian Mathematical Society (2000-present);
Vice-president, Maramureş Branch of Romanian Mathematical Society (1995-2000);
Member, Council of Romanian Mathematical Society (1995-1999; 1999-2003; 2003-2007; 2008-2011);
Member, Executive Committee of Romanian Mathematical Society (1999-2003; 2003-2007; 2008-2011; 2012-2015);
Publicity Officer, European Mathematical Society (2006-2010);
Member, Council of European Mathematical Society (2000-2003; 2004-2007; 2009-2012; 2014-2016);
President, SINUS Association (2004-present)

11. Honors and Awards

- Honorary Doctor of Donetsk National State Technical University (Ukraine, 2001)
- The Centennial Medal “Gazeta Matematică” of Romanian Mathematical Society (1995);
- The Centennial Honor Certificate “Gazeta Matematică” of Romanian Mathematical Society (1995);
- The Honor Certificate “110 Years of Publishing Gazeta Matematică” of Romanian Mathematical Society (2005)
- Entry in Who’s Who in Romania, edition 2002
- Centenary Medal of Romanian Mathematical Society (2010)

12. Reviewer

- Zentralblatt MATH (299 reviews, as by 10 January 2016)
- Mathematical Reviews (107 reviews, as by 10 January 2016)
- Reviewer invitations received from more than 80 mathematical journals

13. Other activities and membership

- Member of the Mathematics Commission of the Ministry of Education (National Council for Attestation of University Titles, Diplomas and Certificates, C.N.A.T.D.C.U.)
- Mathematics Expert Evaluator of ARACIS (The Romanian Agency for Quality Assurance in Higher Education)
- Romania's representative at ICMI (International Commission for Mathematical Instruction) – a Commission of International Mathematical Union (IMU)
- Member, Central Commission of Romanian Mathematical Olympiad (1998-present)
- Coordinator and main organiser of Romania's National Presentation at ICME-10 (10th International Congress on Mathematical Education), Copenhagen, 4-11 July 2004
- Member of Municipality Council of Baia Mare city (1985-1989);

Baia Mare,
12 January 2016