



COSTEA Adrian



CURRENT POSITION: Professor

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PROFILE

Adrian Costea is Professor of Data Mining and Econometrics at Bucharest University of Economic Studies, Department of Statistics and Econometrics. He received his doctorate in Information Systems from Åbo Akademi University in 2005. His recent publications include The Effect of FDI on Environmental Degradation in Romania: Testing the Pollution Haven Hypothesis, (Sustainability 15(13), 10733, 2023), An Early-Warning System for Financial Performance Predictions, (ECECSR 56(2): 5–20, 2022) and An integrated two-stage methodology for optimising the accuracy of performance classification models, (TEDE 23(1): 111–139, 2017). His research interests include the use of Data Mining methods for assessing comparatively the performance of financial entities, and he is currently a CFA program charter holder (he received his charter in September 2017).



EDUCATION

Habilitation	Habilitation in Cybernetics and Statistics – Order of MENCŞ No. 3298/02.03.2016
Post-Doc	2010–2013 , BUES, Romania. Research subject: Models for assessing the performance of non-banking financial institutions from a prudential supervision perspective
PhD (Doctorate)	2000–2005 , Åbo Akademi University, Turku Centre for Computer Science, Turku, Finland. Thesis: Computational Intelligence Methods for Quantitative Data Mining
Master	1998–1999 , BUES, Romania. Thesis: The Design and Implementation of the Information System of the Stock Exchange
Bachelor	1993–1998 , BUES, Romania. Thesis: The Computer-based Processing of Statistical Polls

PROFESSIONAL TRAINING

European Banking Certificate (2012 – 4 months), RBI

The implementation of statistical surveys – foreign direct investments and international trade services (2012 – 3 days, 2013 – 1 day, 2014 – 2 days, 2015 – 2 days, 2016 – 2 days, 2017 – 2 days), NBR
Monetary policy and the central bank's independence (2012 – 3 days), NBR
Money laundering (2012 – 1 day), NBR
NBR – history, values, perspectives (2009 – 1 day), NBR
Efficient communication (2016 – 3 days), NBR
Business Intelligence in Business Negotiation (2016 – 2 days), RBI
Appropriate communication – the key to correct understanding and good reputation (2017 – 3 days), NBR
The fundaments of process optimization (2018 – 2 days), NBR
Transformational Leadership (2022 – 2 days), NBR
Growth Mindset (2022 – 2 days), NBR
Balance of Payments and International Investment Position Statistics (2024 – 40 hours online course), IMF Institute

ACADEMIC EXPERIENCE

1998 – Present – Professor (2015 – Present), Associate Professor (2009 – 2015), Lecturer (2007 – 2009), Assistant Professor (2000 – 2007), Assistant (1998 – 2000) Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies, Romania

Courses taught:



- "Basic Econometrics", "Data Mining & Big Data", "Business Statistics", "Macroeconomic Statistics", "Data Mining" (BUES, Romania)
- "Data Warehousing and data mining" (3 years: 2007-2009), "Introduction to Business Intelligence" (3 years: 2010-2012), "Data Mining" (8 years: 2010-2017) (ESIGELEC, Rouen, France)
- "Databases and Database Design" (2002) – for the students of the licentiate degree program in Turku Polytechnic, Salo, Finland
- "Databases and Data Warehousing" (2003 – 2005) – for the students of the licentiate degree program in Abo Akademi University, Turku, Finland

RESEARCH PROFILE

In the last 24 years I performed research in the field of Data Mining. Starting with September 2000 when I was admitted in the PhD program at Turku Centre for Computer Science in Finland, I used/improved and proposed new computational intelligence (CI) methods for assessing comparatively and in time the financial performance of companies from different economic sectors.

LIST OF PUBLICATIONS

List of articles published in peer reviewed journals:

1. Ri1. Păun CN, Costea A, Are Educational Standards Declining? A comparison Study Before and After COVID-19 in Europe, South Eastern European Journal of Public Health (SEEJPH), Volume XXV, Number S2, pp. 1596-1603, 2024, ISSN: 2197-5248. Link: <https://doi.org/10.70135/seejph.vi.2930>
2. Ri2. Chiriluș A, Costea A, The Effect of FDI on Environmental Degradation in Romania: Testing the Pollution Haven Hypothesis. Sustainability, Volume 15, Number 13, 10733, 2023, ISSN: 2071-1050. <https://doi.org/10.3390/su151310733>
3. Ri3. Costea A, An Early-Warning System for Financial Performance Predictions, Economic Computation and Economic Cybernetics Studies and Research (ECECSR), ASE Publishing House, Volume 56, Number 2, 2022, pp. 5-20, ISSN 0424-267X. Link: http://ecocyb.ase.ro/nr2022_2/1.%20Costea%20Adrian.pdf
4. Ri4. Costea A, Ferrara M, Șerban F, An integrated two-stage methodology for optimising the accuracy of performance classification models, Technological and Economic Development of Economy (TEDE), Volume 23, Number 1, pp. 111-139, 2017, ISSN: 2029-4913 (Print) 2029-4921 (Online). Link: <http://www.tandfonline.com/doi/full/10.3846/20294913.2016.1213196>
5. Ri5. Șerban F, Costea A, Ferrara M, Portofolio optimization using interval analysis, Economic Computation and Economic Cybernetics Studies and Research, ASE Publishing House, Volume 49, Number 1, 2015, pp. 147-162, ISSN 0424-267X. Link: [http://www.ecocyb.ase.ro/nr2015/09%20-%20SerbanCosteaFerrara%20\(T\).pdf](http://www.ecocyb.ase.ro/nr2015/09%20-%20SerbanCosteaFerrara%20(T).pdf)
6. Ri6. Moinescu B, Costea A, Towards an early-warning system of distressed non-banking financial



institutions, Economic Computation and Economic Cybernetics Studies and Research, ASE Publishing House, Volume 48, Number 2, 2014, pp. 75–90, ISSN 0424–267X. Link: <http://www.ecocyb.ase.ro/eng/Bogdan%20Moinescu.pdf>

7. Ri7. Costea A, Performance benchmarking of non-banking financial institutions by means of Self-Organising Map algorithm, East-West Journal of Economics and Business, Volume XVI, Number 1, 2013, pp. 37–58, ISSN: 1108–2992. Link: http://www.u-picardie.fr/eastwest/stat_doc.php?doc=166

8. Ri8. Costea A, Applying Fuzzy C-Means and Artificial Neural Networks for analyzing the non-banking financial institutions' sector in Romania, Journal of Applied Quantitative Methods (JAQM), Editors: Ivan I, Herteliu C, Nosca G, Volume 7, Issue 3, pp. 26–32, 2012, ISSN: 1842–4562. Link: http://jaqm.ro/issues/volume-7,issue-3/pdfs/3_costea.pdf

9. Ri9. Costea A, Bleotu V, A new fuzzy clustering algorithm for evaluating the performance of non-banking financial institutions in Romania, Economic Computation and Economic Cybernetics Studies and Research, ASE Publishing House, Volume 46, Number 4, 2012, pp. 179–199, ISSN 0424–267X. Link: [http://www.ecocyb.ase.ro/20124pdf/Adrian%20Costea%20\(T\).pdf](http://www.ecocyb.ase.ro/20124pdf/Adrian%20Costea%20(T).pdf)

10. Ri10. Costea A, Evaluating the performance of non-banking financial institutions by the means of C-Means algorithm, Journal of US-China Public Administration, Volume 9, Number 4, April 2012, pp. 458–466, ISSN: 1548–6591 (print), 1935–9691 (online). Link: <http://www.davidpublishing.com/davidpublishing/Upfile/4/27/2012/2012042775730321.pdf>

11. Ri11. Costea A, Herteliu C, Evaluarea performanțelor instituțiilor financiare nebancare – alegerea metodologiei de cercetare (Assessing the performance of non-banking financial institutions – on selecting the research methodology), Revista Română de Statistică (Romanian Statistical Review), Number 12, pp. 56–77, 2011, ISSN: 1018–046X. Link (RO): http://www.revistadestatistica.ro/old/Articole/2011/art7ro_rrs%2012_2011.pdf, pp. 56–66; Link (EN): http://www.revistadestatistica.ro/old/Articole/2011/art7en_rrs%2012_2011.pdf, pp. 67–77

12. Ri12. Costea A, Supravegherea prudentială a instituțiilor financiare nebancare: evoluții și perspective (Prudential supervision of non-banking financial institutions: developments and prospects), Revista Română de Statistică (Romanian Statistical Review), Number 7, pp. 81–100, 2011, ISSN: 1018–046X. Link (RO): http://www.revistadestatistica.ro/wp-content/uploads/2014/02/RRS_7_2011_A7_ro.pdf, pp. 81–90; Link (EN): http://www.revistadestatistica.ro/wp-content/uploads/2014/02/RRS_7_2011_A7_en.pdf, pp. 91–100.

13. Ri13. Costea A, Assessing the performance of non-banking financial institutions – a knowledge discovery approach, Annals of the University of Craiova Economic Series, Year XXXI, Volume III, Number 39, 2011, pp. 174–185, ISSN: 1223–365X. Link: http://feaa.ucv.ro/annals/v3_2011/0039v3-025.pdf

14. Ri14. Herteliu C, Costea A, The Villages' Development Level from Dobrogea Region, Journal of Applied Quantitative Methods (JAQM), Editors: Ivan I, Herteliu C, Nosca G, Volume 6, Issue 2, pp. 22–26, 2011, ISSN: 1842–4562. Link: http://www.jaqm.ro/issues/volume-6,issue-2/pdfs/3_herteliu_costea.pdf

15. Ri15. Nastac I, Bacivarov A, Costea A, A Neuro-Classification Model for Socio-Technical Systems, Romanian Journal of Economic Forecasting, Volume XI, Number 3, 2009, pp. 100–109, ISSN 1582–6163. Link: http://www.ipe.ro/rjef/rjef3_09/rjef3_09_8.pdf



16. Ri16. Costea A, Eklund T, Karlsson J, Voineagu V, Financial Performance Analysis of the Scandinavian Telecommunications Companies using Statistical and Neural Networks Techniques, Economic Computation and Economic Cybernetics Studies and Research, ASE Publishing House, Volume 43, Number 4, 2009, pp. 87-104, ISSN 0424-267X. Link:
<http://www.ecocyb.ase.ro/pdfrev/Adrian%20Costea.pdf>
17. Ri17. Costea A, Clasificarea modelelor de fiabilitate software, Revista „Studii și Cercetări de Calcul Economic și Cibernetică Economică”, Volume 42, Number 3, 2008, pp. 123-136, ISSN 0585-7511.
18. Ri18. Costea A, Eklund T, Metode statistice de clasificare a performanțelor financiare (Statistical methods classifying the financial performances), Revista Română de Statistică (Romanian Statistical Review), Number 9, pp. 55-79, 2008, ISSN: 1018-046X. Link:
http://www.revistadestatistica.ro/old/Revista/2008/sumar%209_2008.pdf
19. Ri19. Costea A, Durfee A, Analiza performanțelor economice ale unor țări central- și est-europene: metode statistice utilizate (The economic performance analysis of some central and east-european countries: the use of statistical methods), Revista Română de Statistică (Romanian Statistical Review), Number 6, pp. 31-45, 2008, ISSN: 1018-046X. Link:
http://www.revistadestatistica.ro/old/Revista/2008/sumar%206_2008.pdf
20. Ri20. Nastac I, Costea A, A Retraining Procedure Application for Data Forecasting, University POLITEHNICA of Bucharest SCIENTIFIC BULLETIN Series C: Electrical Engineering and Computer Science, Editori: Petru Postolache, Dumitru Stanomir, Editura: POLITEHNICA Press, Volume 69, Number 2, pp. 15-24, November 2007, ISSN: 1454-234X. Link:
http://www.scientificbulletin.upb.ro/rev_docs_arhiva/full59491.pdf
21. Ri21. Costea A, On Measuring Software Complexity, Journal of Applied Quantitative Methods (JAQM), Editura: Association for Development through Science and Education, Romania, Volume 2, Number 1, pp. 98-108, March 2007, ISSN: 1842-4562. Link: <http://www.jaqm.ro/issues/volume-2,issue-1/pdfs/costea.pdf>
22. Ri22. Costea A, Economic Performance Competitor Benchmarking using Data-Mining Techniques, Informatica Economica Journal, INFOREC Publishing House, București, Romania, Number 6 (EN), 2006, pp. 64-69, 2006, ISSN: 1453-1305 (printed version), ISSN: 1842-8088 (online version). Link:
http://www.economyinformatics.ase.ro/content/EN6/adrian_costea_Economic_Benchmarking.pdf
23. Ri23. Costea A, The Analysis of the Telecommunications Sector by the Means of Data Mining Techniques, Journal of Applied Quantitative Methods (JAQM), Editor: Association for Development through Science and Education, Romania, Volume 1, Number 2, pp. 144-150, December 2006, ISSN: 1842-4562. Link: <http://www.jaqm.ro/issues/volume-1,issue-2/pdfs/costea.pdf>
24. Ri24. Costea A, Nastac I, Assessing the predictive performance of ANN-based classifiers based on different data preprocessing methods, distributions and training mechanisms, International Journal of Intelligent Systems in Accounting, Finance and Management (IJISAFM), Volume 13, Number 4, pp. 217 – 250, December 2005, Online ISSN: 1099-1174, Print ISSN: 1055-615X, Copyright © 2005 John Wiley & Sons, Ltd, Publicat Online: Aug 10 2006 11:21PM, DOI: 10.1002/isaf.269. Link:
<http://onlinelibrary.wiley.com/doi/10.1002/isaf.269/abstract?systemMessage=Wiley+Online+Library>



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List of papers published in conference proceedings:

1. Vi1. Păun CN, Costea A, The Long-Term Impact of COVID-19 on Education in Europe, paper presented at the 17th International Conference on Applied Statistics, November 14–15, 2024, National Institute of Statistics, Bucharest, Romania.
2. Vi2. Jheng SL, Teng HW, Härdle WK, Pele DT, Costea A, Financial Risk Meters in Taiwain's High-Cap Sectors, paper presented at the 17th International Conference on Applied Statistics, November 14–15, 2024, National Institute of Statistics, Bucharest, Romania.
3. Vi3. Proşcanu C, Proşcanu M, Costea A, AI Toxicity in News Articles, paper presented at the 18th International Conference on Business Excellence, March 21–23, 2024, Bucharest, Romania (A new version of the paper entitled The AI Paradox: Balancing Free Speech with Online Safety in the Era of Automated Moderation, has been send for review to the ECECSR journal on July 2024).
4. Vi4. Costea A, A genetic approach to making financial performance predictions, paper presented at the 16th International Conference on Applied Statistics, November 17–18, 2023, Predeal, Romania.
5. Vi5. Costea A, Classifying non-banking financial institutions based on their financial performance, Proceedings of the 13th International Conference on Applied Statistics (2019), Volume 1, Issue 1, pp. 185–193, DOI: <https://doi.org/10.2478/icas-2019-0016>, First Published: 20 Oct 2019, Published online: 13 Feb 2020, Online ISSN: 2668-6309. Link:
<https://content.sciendo.com/downloadpdf/journals/icas/1/1/article-p185.xml>
6. Vi6. Costea A, On building early-warning systems for preventing the deterioration of financial institutions' performance, Proceedings of the 13th International Conference on Applied Statistics (2019), Volume 1, Issue 1, pp. 194–202, DOI: <https://doi.org/10.2478/icas-2019-0017>, First Published: 20 Oct 2019, Published online: 13 Feb 2020, Online ISSN: 2668-6309. Link:
<https://content.sciendo.com/downloadpdf/journals/icas/1/1/article-p194.xml>
7. Vi7. Costea A, A neural-network-based early-warning system for the financial industry, Proceedings of the Eighth International Conference on Applied Statistics (ICAS 2014), Organizers: Department of Statistics and Econometrics, Academy of Economic Studies (Bucharest, Romania), National Institute of Statistics (Bucharest, Romania), Romanian society for Statistics (Bucharest, Romania), Bucharest, Romania, November 14, 2014, 11 pg. (section Statistics in International Comparisons). Link: <http://simpstat.ase.ro/Previous/8th.pdf>.
8. Vi8. Costea A, Applying fuzzy logic and machine learning techniques in financial performance predictions, Proceedings of the Seventh International Conference on Applied Statistics (ICAS 2013), Organizers: Department of Statistics and Econometrics, Academy of Economic Studies (Bucharest, Romania), National Institute of Statistics (Bucharest, Romania), Romanian society for Statistics (Bucharest, Romania), Bucharest, Romania, November 15, 2013, 8 pg. (The paper has been published in-extenso on-line by Elsevier in the volume "Procedia Economics and Finance" in 2014 – indexed in



Science Direct database and ISI Thomson Conference Proceedings: Procedia Economics and Finance 10 (2014): 4 – 9, DOI 10.1016/S2212-5671(14)00271-8. Link:
<http://www.sciencedirect.com/science/article/pii/S2212567114002718/pdf?md5=891f8b6cab58ab342e7f23955122989d&pid=1-s2.0-S2212567114002718-main.pdf>

9. Vi9. Costea A, A neural approach to the analysis of non-banking financial institutions' sector in Romania, Proceedings of the Sixth International Conference on Applied Statistics (ICAS 2012), Organizers: Department of Statistics and Econometrics, Academy of Economic Studies (Bucharest, Romania), National Institute of Statistics (Bucharest, Romania), Romanian society for Statistics (Bucharest, Romania), Bucharest, Romania, November 16-17, 2012, Conference track: Statistics in International Comparisons, Section 1: Statistics, Mathematics and Finance Triade, Paper 7. Link: <http://simpstat.ase.ro/Previous/6th.pdf>. (The paper has been published in extenso in Journal of Applied Quantitative Methods: Ri8. Costea A, Applying Fuzzy C-Means and Artificial Neural Networks for analyzing the non-banking financial institutions' sector in Romania, Journal of Applied Quantitative Methods (JAQM), Editors: Ivan I, Herteliu C, Nosca G, Volume 7, Issue 3, pp. 26-32, 2012, ISSN: 1842-4562. Link: http://jaqm.ro/issues/volume-7,issue-3/pdfs/3_costea.pdf)

10. Vi10. Costea A, A decision-tree induction approach to assessing comparatively the performance of non-banking financial institutions in Romania, Proceedings of the third international conference – International Conference on International Business (ICIB 2012), Organizers: Department of International and European Studies, University of Macedonia (Thessaloniki, Greece), International Relations and European Integration Laboratory, University of Macedonia (Thessaloniki, Greece), Department of International and European Studies, University of Piraeus (Piraeus, Greece), European Centre for the Development of Vocational Training (Thessaloniki, Greece), Faculty of Political Science, University of Messina (Messina, Italy), UMR LADYSS, University Paris Diderot (Paris, France), School of Business and Economics, Winston-Salem State University (Winston-Salem, North Carolina, USA), Thessaloniki, Greece, May 17-19, 2012, Parallel session 13: Banking institutions and employment, pp. 270-277, © 2013, ISBN: 978-960-98740-3-8, ISSN: 2241-5491. Link: <http://icib.eu/files/Download/full%20proceedings.pdf>

11. Vi11. Costea A, A statistical-based approach to assessing comparatively the performance of non-banking financial institutions in Romania, Book of Abstracts of the Fourth International Conference - The Economies of Balkan and Eastern Europe Countries in the changed world - EBEEC 2012, Organizers: Department of Accountancy (Kavala Institute of Technology), Department of Finance (University of National and World Economy) and Department of Economics and Business Administration (St. Kliment Ohridski University), Sofia, Bulgaria, May 11-13, 2012, p. 102, http://ebeec.teikav.edu.gr/ebeec2012/documents/EBEEC12_Book_of_Abstracts.pdf (The paper has been published in extenso in A. Karasavvoglou and P. Polychronidou (eds.), Economic Crisis in Europe and the Balkans, Contributions to Economics: D1. Costea A, A statistical-based approach to assessing comparatively the performance of non-banking financial institutions in Romania, A. Karasavvoglou and P. Polychronidou (eds.), Economic Crisis in Europe and the Balkans – Problems and Prospects, Contributions to Economics, DOI 10.1007/978-3-319-00494-5_11, © Springer International Publishing



Switzerland, 240 pg., 2014, ISBN 978-3-319-00494-5, Chapter 11, pp. 195-209. Link: [http://link.springer.com/chapter/10.1007%2F978-3-319-00494-5_11#\)](http://link.springer.com/chapter/10.1007%2F978-3-319-00494-5_11#)

12. Vi12. Costea A, A fuzzy-logic approach to assessing the performance of non-banking financial institutions in Romania, Proceedings of First International Conference on Financial Modeling – FM 2011, Organizers: Society for Financial and Actuarial Mathematics, Sofia, Bulgaria, Editor: P. Stoynov, Publisher: PERUN-SPRINT Ltd., November 19-20, 2011, pp. 48-54, ISSN: 1314-5916. Link: http://www.europe-made.com/conf_FM_2011.htm

13. Vi13. Costea A, Assessing the performance of non-banking financial institutions, Book of Abstracts of the international conference „Competitiveness and Stability in Knowledge based Economy”, Organizers: Faculty of Economics and Business Administration, University of Craiova and Science and Education Fundation, Bourgas, Union of Scientists, Bulgaria, Craiova, Romania, November 4-5, 2011, p. 18. Link: <http://feaa.ucv.ro/conferinta2011/iConEC%202011%20-%20program%20pe%20sectiuni.pdf> (The paper has been published in extenso in the journal Annals of the University of Craiova Economic Series: Ri13. Costea A, Assessing the performance of non-banking financial institutions – a knowledge discovery approach, Annals of the University of Craiova Economic Series, Year XXXI, Volume III, Number 39, 2011, pp. 174-185, ISSN: 1223-365X. Link: http://feaa.ucv.ro/annals/v3_2011/0039v3-025.pdf)

14. Vi14. Costea A, Performance benchmarking of non-banking financial institutions by the means of Self-Organizing Maps (SOM), Proceedings/Book of Abstracts of the second international conference – International Conference on International Business (ICIB 2011), Organizers: Department of International and European Studies, University of Macedonia (Thessaloniki, Greece), European Centre for the Development of Vocational Training (Thessaloniki, Greece), Faculty of Political Science, University of Messina (Messina, Italy), CRISEA, University of Picardie (Amiens, France), Thessaloniki, Greece, May 19-21, 2011, Editors: Bitzenis A, Marangos J, Papadimitriou P and Kafteranis C, Section: Banking and Financial Crisis, pp. 282-283, ISBN: 978-618-5001-01-8, <http://www.icib.eu/files/Download/icib2011pdf.pdf>. (The paper has been published in extenso as: Ri7. Costea A, Performance benchmarking of non-banking financial institutions by means of Self-Organising Map algorithm, East-West Journal of Economics and Business, Volume XVI, Number 1, 2013, pp. 37-58, ISSN: 1108-2992. Link: http://www.u-picardie.fr/eastwest/stat_doc.php?doc=166)

15. Vi15. Costea A, A literature review on the use of Data Mining techniques for financial performance benchmarking, Proceedings of the Third International Conference – The Economies of Balkan and Eastern Europe Countries in the changed world – EBEEC 2011, Organizers: Department of Accountancy, Kavala Institute of Technology and Faculty of Economic Sciences, University of Pitești, Pitești, Romania, May 5-8, 2011, pp. 51-60, ISBN: 978-960-363-038-8, ISSN: 1792-4383. Link: <http://ebeec.teikav.edu.gr/ebeec2011/administrator/images/stories/documents/ebeec2011proceedings.pdf>

16. Vi16. Costea A, The process of Knowledge Discovery in Databases (KDD) – a framework for assessing the performance of non-banking financial institutions, Proceedings of the Tenth International Conference of Informatics in Economy (IE2011), Organizers: Department of Economic Informatics,



Faculty of Economic Cybernetics, Statistics and Informatics and INFOREC Association, May 5-7, 2011, Academy of Economic Studies, Bucharest, Romania, CD-ROM version ISSN 2247-1480, ISSN-L 2247-1480, Section: Information & Communication Technology, position 32, 6 pages. Link: <http://www.conferenceie.ase.ro/>

17. Vi17. Costea A, Modelarea performanțelor instituțiilor financiare nebancare – metodologii de cercetare (On modelling the performance of non-banking financial institutions – research methodologies), Proceedings of the 11th International Conference Financial and monetary stability in emerging countries, (published in the supplement of the Theoretical and Applied Economics journal – 11th International Conference, Financial and Monetary Stability in emerging countries – http://www.ectap.ro/supplement/11th_international_conference_financial_and_monetary_stabilit_yin_emerging_countries/14/, Section IV: Financial Institutions and Markets, pp. 615-622 (pp. 607-614 – english version), ISSN: 1841-8678 (print), 1844-0029 (online), editor: Marin Dinu), București, Romania, 10-11 December, 2010.
18. Vi18. Costea A, General considerations for designing the Data Warehouse for statistical analysis, Proceedings of the Fourth International Conference on Applied Statistics, „Revista Română de Statistică” (ed.), CD-ROM Edition (published in the November 2008 supplement of the Romanian Statistical Review journal, ISSN: 1018-046X), Bucharest, Romania, November 20-22, 2008, Section VII: Information technology. Interfaces between Statistics and IT, 8 pg. Link: <http://www.simpzoninternationalstatistica-ed-4.ro/start.pdf>
19. Vi19. Costea A, Research Methodologies in the Data-Mining Research Field, Proceedings of the Eight International Conference on Informatics in Economy “Informatics in Knowledge Society”, Senior Editors: Ivan, I.; Rosca, I., Gh., ASE Publishing House, Bucharest, Romania, May 17-18, 2007, pp. 200-204, ISBN: 978-973-594-921-1. Link: http://www.conferenceie.ase.ro/?page_id=28
20. Vi20. Costea A, The Comparative Analysis of Central and Eastern European Countries in the EU Accession Process, Proceedings of the Third International Statistics Symposium “Statistics in the Area of Solutions”, Section 2 “Fundamental Principles of the Statistics and Code of Good Practices”, Bucharest, Romania November 16-18, 2006, 7 pg., ISBN (10): 973-594-884-2, ISBN (13): 978-973-594-884-9. Link: <http://www.simpstat.ase.ro/index.php/previous>
21. Vi21. Costea A, The Use of Data-Mining Techniques in the Financial Analysis of EU and Non-EU Telecommunication Companies, Proceedings of the Third International Statistics Symposium “Statistics in the Area of Solutions”, Section 2 “Fundamental Principles of the Statistics and Code of Good Practices”, Bucharest, Romania, November 16-18, 2006, 6 pg., ISBN (10): 973-594-884-2, ISBN (13): 978-973-594-884-9. Link: <http://www.simpstat.ase.ro/index.php/previous>
22. Vi22. Costea A, Financial Performance Analysis Using Data-Mining Techniques, Proceedings of the 6th Biennial International Economic Symposium „SIMPEC 2006”, Lixăndroiu D. (ed.), INFOMARKET Publishing House, Brașov, Romania, May 19-20, 2006, Volume II, pp. 152-157, ISBN (10): 973-8204-84-4, ISBN (13): 978-973-8204-84-3. Link: <http://econ.unitbv.ro/simpec2006>
23. Vi23. Costea A, Metode Statistice pentru Analiza Corelațiilor între Caracteristicile de Calitate ale Produselor Program, Proceedings of the Second International Statistics Symposium “Statistics –



Everybody's Matter - Quality-Knowledge-Management-European Harmonization", Statistics and Economic Forecasting Department, Academy of Economic Studies, Bucharest, Romania, November 19-20, 2004, 10 pg., ISBN 973-594-593-2. Link: <http://www.simpstat.ase.ro/index.php/previous>

24. Vi24. Alcaraz-Garcia FA, Costea A, A Weighting FCM Algorithm for Clusterization of Companies as to their Financial Performances, Proceedings of the IEEE 4th International Conference on Intelligent Systems Design and Applications (ISDA 2004), Rudas I. (ed.), CD-ROM Edition, Budapest, Hungary, August 26-28, 2004, Track: Intelligent Business, pp. 589-594, ISBN: 963-7154-30-2. Link: http://conf.uni-obuda.hu/isda2004/100_ISDA2004.pdf

25. Vi25. Nastac I, Costea A, A Retraining Neural Network Technique for Glass Manufacturing Data Forecasting, Proceedings of 2004 IEEE International Joint Conference on Neural Networks (IJCNN 2004), IEEE Print, Budapest, Hungary, July 25-29, 2004, Volume 4, Track: Time Series Analysis, pp. 2753-2758, ISBN: 0-7803-8359-1, IEEE Catalog No. 04CH37541. Link: <http://ieeexplore.ieee.org/xpl/abstractAuthors.jsp?arnumber=1381088>

26. Vi26. Costea A, Eklund T, Combining Clustering and Classification Techniques for Financial Performance Analysis, Proceedings of 8th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI 2004), Callaos et al. (eds.), Organized by IIIS, Orlando, Florida, USA, July 18-21, 2004, Volume I: Information Systems, Technologies and Applications, Track: Management Information Systems, pp. 389-394, ISBN: 980-6560-13-2. Link: <http://www.researcherid.com/rid/B-2518-2015>

27. Vi27. Nastac I, Costea A. A Neural Network Retraining Approach for Process Output Prediction, Proceedings of 8th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI 2004), Callaos et al. (eds.), Organized by IIIS, Orlando, Florida, USA, July 18-21, 2004, Volume V: Computer Science and Engineering, pp. 388-393, ISBN: 980-6560-13-2. Link: <http://www.researcherid.com/rid/B-2518-2015>

28. Vi28. Alcaraz-Garcia FA, Costea A, On Assessing Companies' Financial Performances by the Means of Weighting FCM Clustering, Proceedings of the 5th International Conference in Computer Science: Modelling, Computation and Optimization in Information Systems and Management (MCO 2004), Le Thi Hoai An, Pham Dinh Tao (eds.), published by Hermes Science, Metz, France, July 1-3, 2004, pp. 265-272, ISBN: 1-903398-21-5. Link: http://tucs.fi/publications/view/?pub_id=inpAlCo04a

29. Vi29. Kloptchenko A, Eklund T, Costea A, Back B, A Conceptual Model for a Multiagent Knowledge Building System, Proceedings of 5th International Conference on Enterprise Information Systems (ICEIS 2003), Camp O, Filipe J, Hammoudi S, Piattini M (eds.), published by Escola Superior de Tecnologia do Instituto Politécnico de Setúbal, Angers, France, April 23-26, 2003, Volume 2: Artificial Intelligence and Decision Support Systems, pp. 223-228, ISBN: 972-98816-1-8. Link: http://www.google.ro/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=3&cad=rja&uact=8&ved=0CDQFjAC&url=http%3A%2F%2Ftucs.fi%2Fpublications%2Fattachment.php%3Ffname%3DinpKIEKCoBa03a.pdf&ei=4In1VJHxLoW8UemOgKAK&usg=AFQjCNFwSBJAmRRmafW-u2_41IGygYRaRw&sig2=HBWPi9a-wfoHu8sj6pdMdA

30. Vi30. Costea A, Economic Performance Classification Using Neural Networks, Proceedings of the Sixth



International Conference on Economic Informatics "Digital Economy", Senior Editors: Ivan, I.; Rosca, I., Gh., INFOREC Printing House, Bucharest, Romania, May 8-11, 2003, pp. 390-395, ISBN: 973-8360-02-1. Link: http://www.conferenceie.ase.ro/?page_id=280

31. Vi31. Costea A, Eklund T, A Two-Level Approach to Making Class Predictions, Proceedings of 36th Annual Hawaii International Conference on System Sciences (HICSS 2003), Sprague Jr RH. (ed.), IEEE Computer Society, Hawaii, USA, January 6-9, 2003, Track: Decision Technologies for Management, Minitrack: Intelligent Systems and Soft Computing, 9 pg., ISBN: 0-7695-1874-5. Link: http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=1174207&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D1174207

32. Vi32. Costea A, Eklund T, Karlsson J. A Framework for Predictive Data Mining in the Telecommunication Sector, Proceedings of the IADIS International Conference - WWW/Internet (ICWI 2002), Isaías P. (ed.), IADIS Press, Lisbon, Portugal, November 13-15, 2002, pp. 38-46, ISBN: 972-9027-53-6. Link: http://www.researchgate.net/publication/220969291_A_Framework_for_Predictive_Data_Mining_in_the_Telecommunications_Sector

33. Vi33. Costea A, Kloptchenko A, Back B, Analyzing Economical Performance of Central-East-European Countries Using Neural Networks and Cluster Analysis, Proceedings of the Fifth International Symposium on Economic Informatics "Information Society", Ivan, I.; Roșca, I., Gh. (eds.), INFOREC Printing House, Bucharest, Romania, May 10-13, 2001, pp. 1006-1011, ISBN: 973-99450-4-X. Link: http://www.conferenceie.ase.ro/?page_id=278

34. Vi34. Costea A, Features on Software Reliability, Proceedings of the Fourth International Symposium on Economic Informatics "Information Technology", Ivan, I.; Roșca, I., Gh. (eds.), INFOREC Printing House, Bucharest, Romania, May 6-9, 1999, ISBN: 973-98508-5-5. Link: http://www.conferenceie.ase.ro/?page_id=276

35. Vn1. Costea A, Models for assessing the non-banking financial institutions' performance from a prudential supervision perspective (Modele de evaluare a performanțelor instituțiilor financiare nebancare din perspectiva supravegherii prudentiale), „Provocările crizei și răspunsurile științei economice”, the fourth scientific meeting of postdoctoral researchers in the program „Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România” – Contract no. POSDRU/89/1.5/S/59184, Bucharest University of Economic Studies, Bucharest, Romania, 22-23 March 2013. Link: <http://www.postdoctorat.ase.ro/>

36. Vn2. Costea A, The use of genetic algorithms for evaluating the performance of non-banking financial institutions in Romania (Utilizarea algoritmilor genetici în evaluarea performanțelor instituțiilor financiare nebancare din România), „Provocările crizei și răspunsurile științei economice”, the third scientific meeting of postdoctoral researchers in the program „Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România” – Contract no. POSDRU/89/1.5/S/59184, Bucharest University of Economic Studies, Bucharest, Romania, 23-24 November 2012. Link: <http://www.postdoctorat.ase.ro/>

37. Vn3. Costea A, Applying a modified Fuzzy C-Means algorithm for evaluating the performance of non-banking financial institutions in Romania (Aplicarea algoritmului Fuzzy C-Means modificat pentru



evaluarea performanțelor instituțiilor financiare nebancare din România), „Provocările crizei și răspunsurile științei economice”, the second scientific meeting of postdoctoral researchers in the program „Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România” – Contract no. POSDRU/89/1.5/S/59184, Bucharest University of Economic Studies, Bucharest, Romania, 16-17 March 2012. Link: <http://www.postdoctorat.ase.ro/>

38. Vn4. Costea A, Data Mining clustering techniques for assessing the performance of non-banking financial institutions (Tehnici Data Mining de grupare pentru evaluarea performanțelor instituțiilor financiare nebancare), „Provocările crizei și răspunsurile științei economice”, the first scientific meeting of the postdoctoral researchers in the program „Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România” – Contract no. POSDRU/89/1.5/S/59184, Bucharest University of Economic Studies, Bucharest, Romania, 1-2 July 2011. Link: <http://www.postdoctorat.ase.ro/>
39. Vn5. Costea A, Software Reliability Models: An Overview, In Proceedings of Workshop on Software Reliability, Rosca, I., Gh., Ivan, I. (eds.), INFOREC Publishing House, Bucharest, Romania, September 27th, 2001, pp. 13-25, ISBN: 973-8360-00-5.

List of books & book chapters:

1. Cal. Costea A, Models for assessing the non-banking financial institutions' performance from a prudential supervision perspective (Modele de evaluare a performanțelor instituțiilor financiare nebancare din perspectiva supravegherii prudentiale), individual volume (the synthesis of postdoctoral research) in the collection of the program „Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România” – Contract no. POSDRU/89/1.5/S/59184, Publisher: Editura ASE (certified CNCSIS), Bucharest, Romania, 124 p., 2013, ISBN: 978-606-505-656-5. Link: <http://www.editura.ase.ro/Carti-realizate-prin-proiecte-de-cercetare/>
2. Ca2. Voineagu V, Isaac-Maniu A, Mitruț C, Andrei T, Costea A, Statistică (Statistics), Chiru N. (ed.), Publisher: Editura CISON (certified CNCSIS), Bucharest, Romania, 364 p., 2002, ISBN: 973-8301-05-X. Link: <http://www.tocmai.ro/statistica-22262688.html>
3. Cb1. Costea A, Statistică avansată: modelarea fiabilității software (Advanced statistics: modelling software reliability), Publisher: Editura ASE (certified CNCSIS), Bucharest, Romania, 166 p., 2008, ISBN: 978-606-505-093-8. Link: http://opac.biblioteca.ase.ro/opac/bibliographic_view/164219;jsessionid=41770C9FE92D95A5C82A4B9267A71CE3
4. Cb2. Voineagu V, Isaac-Maniu A, Constantin M, Andrei T, Costea A, Statistică: teorie și aplicații (Statistics: theory and applications), Publisher: Editura CISON (certified CNCSIS), Bucharest, Romania, 306 p., 2008, ISBN: 978-973-8301-20-7. Link: <https://www.librariileonline.ro/carte/statistica-teorie-si-aplicatii-il7066>
5. Cb3. Costea A, Computational Intelligence Methods for Quantitative Data Mining, Publisher: Painosalama Oy, Turku, Finland, 260 p., November 2005, ISBN: 951-29-4013-2. Link:



<http://tucs.fi/publications/attachment.php?fname=DISS67.pdf>

6. DI. Costea A, A statistical-based approach to assessing comparatively the performance of non-banking financial institutions in Romania, A. Karasavvoglou and P. Polychronidou (eds.), Economic Crisis in Europe and the Balkans – Problems and Prospects, Contributions to Economics, DOI 10.1007/978-3-319-00494-5_11, © Springer International Publishing Switzerland, 240 pg., 2014, ISBN 978-3-319-00494-5, Chapter 11, pp. 195–209. Link: http://link.springer.com/chapter/10.1007%2F978-3-319-00494-5_11#
7. D2. Costea A, Utilizarea metodelor de Data Mining pentru îmbunătățirea instrumentelor de supraveghere prudențială în perioada post-criză. Cazul instituțiilor financiare nebancare din România, capitol în cadrul volumului de contribuții științifice al ariei tematice Uniunea Economică și Monetară din cadrul proiectului Performanță și excelență în cercetarea postdoctorală în domeniul științelor economice din România (contract POSDRU/89/1.5/S/59184): Efectele crizei și perspectivele redresării economice, Gabriela Victoria Anghelache și Nicolae Dardac (coordonatori), Editura ASE (recunoscută CNCSIS), București, România, 243 pg., 2013, ISBN: 978-606-505-582-7, pg. 131–152. Link: <http://cachescan.bcube.ro/2014/15-10/655339.pdf>

Case Studies:

1. Ri25. Costea A, Nastac I, Three factors affecting the predictive performance of ANNs: pre-processing method, data distribution and training mechanism, TUCS Technical Report Number 679, Turku, Finland, 28 p., April 2005, ISBN: 952-12-1530-5, ISSN: 1239-1891.
2. Ri26. Costea A, Isaic-Maniu A, Optimizarea Fiabilității Globale a unui Sistem Software cu Toleranță la Erori (Optimizing the Global Reliability of a Software Program with Error Tolerance), Journal „Studii și Cercetări de Calcul Economic și Cibernetică Economică”, Editor Mitruț C, Publisher: Editura ASE, Bucharest, Romania, Year XXXVIII, Number 3, 2004, pp. 41-52, ISSN: 0585-7511.
3. Ri27. Alcaraz-Garcia FA, Costea A, A Weighting FCM Algorithm for Clusterization of Companies as to Their Financial Performances, TUCS Technical Report Number 591, Turku, Finland, 12 p., February 2004, ISBN: 952-12-1308-6, ISSN: 1239-1891.
4. Ri28. Nastac I, Costea A, Advanced Data Forecasting Using Retraining Neural Network Technique, TUCS Technical Report Number 542, Turku, Finland, 10 p., Iunie 2003, ISBN: 952-12-1197-0, ISSN: 1239-1891..

SCIENTIFIC COMMITTEES OF ACADEMIC JOURNALS / CONFERENCES, REVIEW

Reviewer for the International Journal of Intelligent Systems in Accounting, Finance and Management (2007 – present);

Reviewer for the ISI journals: Neural Computing and Applications (August 2015), Expert Systems with Applications – An International Journal (2005 – 2016).

Member of the Scientific Committee of the International Conference on Applied Statistics (2014 – 2018).



PROJECTS

Pi1. MSCA Digital Finance (1 ianuarie 2024 – 31 decembrie 2027) – member. The project is financed by the European Commission through the Marie Skłodowska-Curie Action.

Pi2. Project CA19130 (14 septembrie 2020 – 13 septembrie 2024) – member. The project was financed by COST – European Cooperation in Science and Technology.

Pi3-Pi8. Computational Intelligence Methods for Quantitative Data Mining (2000 - 2005) – annual grants obtained by competition (research applications to the Turku Centre for Computer Science in Turku, Finland). By these grants obtained annually for six consecutive years, I obtained financing for my research program that consisted of elaborating and defending my doctoral dissertation in Economics (Information Systems) at Abo Akademi University in Turku, Finland. An estimated value of the grants is as follows:

Academic year sep. 2000 – sep. 2001 12 months x 1180 EUR/month = 14.160 EUR

Academic year sep. 2001 – sep. 2002 12 months x 1180 EUR/month = 14.160 EUR

Academic year sep. 2002 – sep. 2003 12 months x 1180 EUR/month = 14.160 EUR

Academic year sep. 2003 – sep. 2004 12 months x 1180 EUR/month = 14.160 EUR

Academic year sep. 2004 – sep. 2005 12 luni x 1820 EUR/month = 21.840 EUR

Academic year sep. 2005 – sep. 2006 (partially) 4 months (sep. 2005, oct. 2005, nov. 2005, dec. 2005) x 1180 EUR/month = 4.720 EUR

I was the sole and direct beneficiary of these research grants. Each research grant was awarded to me by decision of the TUCS Board, a decision based on the verification of annual progress reports in the research activity. In the research activity carried out within the TUCS I investigated the use of different Computational Intelligence (CI) methods in order to solve various problems related to the business environment. The CI methods used are from the field of artificial intelligence (decision trees - AD, artificial neural networks - ANN - in the form of the Self-Organizing Map algorithm - SOM - and the multilayer perceptron - MLP), from the computational-evolutionary field (genetic algorithms - AG) and from the fuzzy logic field (Fuzzy C-Means algorithm - FCM). Classical statistical methods (e.g.: C-Means algorithm or Multinomial Logistic Regression - MLR) are used as methods of comparison. In writing the articles that formed the basis of my research, I collaborated with a number of young researchers, namely: Prof. Dr. Barbro Back (scientific leader), Dr. Francisco Alcaraz, Dr. Tomas Eklund, Jonas Karlsson, Dr. Antonina Kloptchenko (Durfee) and Dr. Iulian Nastac.

Pi9. Domino (Data mining and Computational Intelligence in Organizations) (2003 - 2007) – member. The main theme of the project was "Data mining and Computational Intelligence in Organizations". The main research objective was the design and development of a decision-support system that would include advanced computational intelligence and be used by various business people in making complex decisions. Project Director: Prof. univ. dr. Barbro Back. Project number: 104639. Value: 250,000 EUR.

Pi10. Countess (Computational Intelligence in Business) (2000 - 2002) – member. The project was



funded by the Academy of Finland between 2000 and 2002 and by the Foundation for Economic Education between 1997 and 1999. The research focused on developing methods and techniques for integrating computational intelligence into the decision-making process. The research target was the development of intelligent information systems such as expert systems, genetic algorithms and neural networks. The main application areas within management science come from strategic management, accounting, the auditing process, and the logistics assurance process. Project director: Prof. univ. dr. Barbro Back. Project number: 47533/68760. Value: 130,000 EUR.

Pi11. Glass Manufacturing Data Forecasting (2003) – member. This project was organized by EUNITE (EUropean Network on Intelligent TEchnologies) and financed by the German company Shott in the form of a competition. The competition consisted of modeling the glass manufacturing process at the Shott company. Dr. Iulian Nastac and I were among the winners of this competition. As part of this project, we had to build a prediction model for measuring the quality of glass in real time during the production process. The provider of the real data of the glass production process and, at the same time, the beneficiary of the model was the specialist company Shott from Germany. The company provided funding for the winners to travel to the workshop organized after the announcement of the winners in Oulu, Finland. At the same time, Shott also financed the prizes for the winners: 5000 EUR for 1st place, 3000 EUR for 2nd place and 1000 EUR for 3rd place. Project directors: Prof. Dr. Jens Strackeljan (EUNITE) and Dr. Katharina Lankers (Shott).

Pn1. Performance and excellence in postdoctoral research in the field of economic sciences in Romania – Contract no. POSDRU/89/1.5/S/59184 (2010-2013) – Project director. This project represents the research framework in which I carried out my postdoctoral project under the title Models for evaluating the performance of non-banking financial institutions from the perspective of prudential supervision (contract no. 494/01.11.2010), thematic area – Economic and Monetary Union. In the research, I used Data Mining techniques to comparatively analyze the performance of non-banking financial institutions (NFIs) in Romania. One of the objectives, which was already achieved, was to create an up-to-date and comprehensive database with various indicators in absolute terms on the basis of which the performance dimensions of NFIs could be defined: capital adequacy, asset quality and profitability. Thus, we collected and preprocessed 22 absolute value indicators for 68 NFIs, quarterly, for the period 2007-2012. In total, we obtained approximately 1000 observations and calculated 12 performance indicators based on the absolute value indicators. A second objective assumed and fully achieved was that of applying Data Mining techniques for classification and clustering to evaluate the performance of NFIs. The studies within the postdoctoral project were published in ISI-listed journals or indexed in international databases. I also had a mobility internship at the University of Reading where I collaborated with Prof. Jacques Pezier from the ICMA center, who generously shared his experience regarding research in the field of financial modeling. At the same time, I benefited from the useful advice and continuous guidance of the thematic area tutors: Prof. Nicolae Dardac and Prof. Gabriela Anghelache. Project director: Ion Gh. Roșca. Value: 18,232,147 lei. Estimated value for each researcher: 104,200 lei.

Pn2. Statistical-econometric study on the state of the agricultural products market in Romania, as well



as its short-term evolution (2008) – project director. The main theme of the study was the radiography of the current state of the agricultural products market in Romania, especially the vegetable market. Project beneficiary: S.C. Taconi Agro S.R.L, a company operating in the field of agricultural production. The project was completed by presenting a report to the beneficiary on the descriptive statistical analysis of the agricultural products market and the econometric analysis of the dynamics of agricultural product prices. The collaborators (members) in this project were: prof. univ. dr. Andrei Tudorel and conf. univ. dr. Nastac Iulian. Project value: 12,000 RON.

Pn3. Demographic Aging in Romania. Economic and Social Implications – IDIES (2005 – 2008) – member. The project was carried out under the aegis of the National Center for Training in Statistics (CNPS) and aimed to identify the economic and social implications of the phenomenon of population aging in Romania. Project director: Valentina Vasile (I.N.E.). Project number: CEx-D8-22/05.10.2005. Value: 1,400,000 RON of which CNPS: 150,000 RON. Partner institution: Institute of National Economy – I.N.E. – Bucharest.

Pn4. Sustainable Development of Romania in the European and World Context – DDRCEM (2005 – 2008) – member. Through this project, the aim was to determine the place and role that Romania holds in the new geopolitical context and also to identify the elements that could contribute to the sustainable development of Romania. The project was carried out under the aegis of the National Center for Training in Statistics (CNPS), project director: Valeriu Ioan Franc (I.N.C.E.). Project number: CEx-D8-34/05.10.2005. Value: 1,488,500 RON of which CNPS: 50,000 RON. Partner institution: National Institute of Economic Research – I.N.C.E. – Bucharest.

Pn5. Transformation and Modernization of the Romanian Economy and Society through Teleeducation (2002) – member. This project (CNCSIS A) aimed to analyze the ways in which teleeducation can lead to the improvement and efficiency of socio-economic activities in Romania. Project director: Prof. univ. dr. Bogdan Ghilic-Micu. Members: Felix Furtună, Iulia Iacob, Virginia Mărcăcine, Oana Muntean, Marian Stoica, Cristian Uscatu, Adrian Costea. Project number: 911/17.07.2002. Project value: 5,200 RON.

Pn6. E-Romania – An information society for all (2001) – member. CNCSIS Project A. Project director: Prof. univ. dr. Bogdan Ghilic-Micu. Members: Ion Gh. Roșca, Virginia Mărcăcine, Cecilia Mitrea, Doina Moraru, Adrian Costea. Project number: 762/01.07.2001. Project value: 4,615 RON.

Pn7. Conceptual, methodological, statistical and informatics set for the analysis of qualitative variables defining the behavior of various economic-social phenomena (2000) – member. CNCSIS Project A. Project director: Prof. univ. dr. Vergil Voineagu. Members: Felix Furtună, Adrian Costea. Project number: 398/01.07.2000. Project value: 4,580 RON.

Pn8. Models for analyzing the effects of Romania's integration into international economic and social structures (2000) – member. ORIZONT 2000 type project. Project director: Prof. univ. dr. Isaac-Maniu Alexandru. Members: Stelian Begu, Paul Ghiță Tănase, Simona Ghiță, Constantin Mitruț, Gabriela Sabău, Iulian Tănase, Emilia Țițan, Vergil Voineagu, Adrian Costea. Project number: 536/01.06.2000. Project value: 6,000 RON.

Pn9. New and flexible forms of work in the information society (2002) – member. ORIZONT 2000 type project. Project director: Prof. univ. dr. Bogdan Ghilic-Micu. Members: Valentin Burcea, Dana Colibaba,



Giani Grădinaru, Virginia Mărăcine, Cecilia Mitrea, Marian Stoica, Cristian Uscatu, Adrian Costea. Project number: 501/01.01.2002. Project value: 15,000 RON

OTHER RELEVANT PROFESSIONAL EXPERIENCE

2023 January – Present – Regional Director, NBR

2020 August – 2022 December – Deputy Regional Director, NBR

2011 May – 2020 July – Head of Reporting and Statistical Surveys Division, NBR

2007 March – 2011 May – Inspector Non-banking Financial Institutions' and Payment Institutions' Supervision Division, NBR

2001 – 2003 – Software Designer, Extended DISC International, Espoo, Finland

PROFESSIONAL ASSOCIATIONS AND MEMBERSHIPS

Societatea Română de Statistică – membru

Asociația Generală a Economiștilor din România – membru

Asociația sportivă a salariaților BNR – Sectorul 5 București strada Dr. Staicovici nr. 47, sector 5, București, 050557 – membru

EU COST Action CA19130 Fintech and AI in Finance – membru

MSCA Digital Finance – membru

CFA Institute – strada East High nr. 915, Charlottesville, Virginia, SUA, 22902 – membru

CFA Romania – Bucuresti office at cfaromania.ro – membru

GRANTS AND HONORS

Diploma de laudă pentru debut în activitatea de cercetare științifică economică în anul 2000 (BUES Senat)

Diplomă de excelență pentru activitatea de cercetare științifică în domeniul statistic în anul 2008 (Societatea Română de Statistică)

Diplomă cu ocazia Centenarului Academiei de Studii Economice din București (2013)

EUNITE competition (2003) – III place. <http://www.eunite.org/eunite/news/Summary%20Competition.pdf> – pp. 110-116.

INTERNATIONAL EXPERIENCE / ACADEMIC ENGAGEMENT

Postdoctoral studies – mobility program – ICMA Centre, University of Reading, Marea Britanie (01.06.2011 – 30.06.2011)

Postdoctoral studies – mobility program – ICMA Centre, University of Reading, Marea Britanie (01.06.2012 – 31.07.2012)



LANGUAGES

English – Advanced

French – Intermediate

SKILLS

good communication skills gained through my experience as teacher, head of regional branch of NBR leadership (currently responsible for a team of 94 people)

guidance skills – currently I am responsible for the instruction of the new members of the NBR's Bucharest regional Branch