



## Curriculum vitae

### Personal Information

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| First name /Last name | <b>TATIANA CORINA DOSESCU</b>                      |
| Scientific title      | Lecturer, PhD                                      |
| Institution           | Titu Maiorescu University - Faculty of Informatics |
| Email                 | tatiana.dosescu@prof.utm.ro                        |

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| <b>Education</b>               | <ul style="list-style-type: none"> <li>• 1999 - 2004 <b>PhD in Economics</b>, Academy of Economic Studies, Faculty of Cybernetics, Statistics, and Economic Informatics – "Market Competition Modeling"</li> <li>• 1990-1995 <b>Bachelor's Degree</b> in Mathematics, specialization in Informatics, University of Bucharest, Faculty of Mathematics and Informatics</li> </ul>   |
| <b>Professional Experience</b> | <ul style="list-style-type: none"> <li>• February 2023 – present – <b>Lecturer, PhD</b> - Titu Maiorescu University, Faculty of Informatics</li> <li>• 2015 – january 2023 - <b>Lecturer, PhD</b> - Christian University "Dimitrie Cantemir", Faculty of Marketing</li> <li>• 2002 – 2015 - <b>Lecturer, PhD</b> - Christian University "Dimitrie Cantemir", Faculty of Tourism and Commercial Management</li> <li>• May 2006 – March 2008 - <b>Vice Dean</b> of the Faculty of Tourism and Commercial Management, Christian University "Dimitrie Cantemir"</li> <li>• 1999 – 2002 - <b>Assistant Professor PhD Candidate</b> - Christian University "Dimitrie Cantemir", Faculty of Tourism and Commercial Management</li> <li>• 1998 – 1999 - <b>Substitute Assistant Professor</b> - Christian University "Dimitrie Cantemir", Faculty of Tourism and Commercial Management</li> <li>• 1995 – 1998 - <b>Adjunct Lecturer</b>, Bucharest University of Economic Studies, Faculty of Economic Cybernetics, Statistics and Informatics</li> </ul> |
| <b>Teaching</b>                | <ul style="list-style-type: none"> <li>• Lecture and seminar activities in the following courses: "Differential Equations and Dynamical Systems", "Business Concepts in IT", "Formal Languages, Automata and Computability", "Applied Mathematics in Economics", "Statistics", "Business Statistics", "Statistical Survey", "Economic Informatics", "Mathematical Modeling in Commercial Activities"</li> <li>• Laboratory activities in the following courses: "Differential Equations and Dynamical Systems", "Business Concepts in IT", "Formal Languages, Automata and Computability", "Applied Mathematics in Economics", "Statistics", "Business Statistics", "Statistical Survey", "Economic Informatics", "Mathematical Modeling in Commercial Activities"</li> </ul>   |
| <b>Research Interests</b>      | <ul style="list-style-type: none"> <li>• Research in the field of mathematical economics</li> <li>• Probability theory and mathematical statistics</li> </ul>   |

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| <p><b>Published papers (selection)</b></p> | <p><b>Books:</b></p> <ul style="list-style-type: none"> <li>• Dragomira Baz, <b>Tatiana Corina Dosescu</b>, Virginia Butescu, Sorin Baz, [2008], <i>"Mathematics for Economists: Theory and Applications," Cison Publishing House, Bucharest, 2008, p. 460, ISBN 973-8301-03-3.</i></li> <li>• <b>Tatiana Corina Dosescu</b>, [2011], <i>"Mathematics for Economic Modeling," Vol 1, University Publishing House, Bucharest, 2011, p. 285, ISBN 978-606-591-308-0.</i></li> <li>• <b>Tatiana Corina Dosescu</b>, [2013], <i>"Mathematics for Economic Modeling," Vol 2, University Publishing House, Bucharest, 2013, p. 650, ISBN 978-606-591-856-6.</i></li> <li>• <b>Tatiana Corina Dosescu</b>, Bogdan Nicolae Toader, [2011], <i>"Mathematics for Economists: Applications," University Publishing House, Bucharest, 2011, p. 72, ISBN 978-606-591-300-4.</i></li> </ul> <p><b>Journal Publications:</b></p> <ul style="list-style-type: none"> <li>• <b>Dosescu Tatiana Corina</b>, <i>"The Preimage of the Smarandache Function and Connection with Cryptographic Protection of Financial Information (2)"</i>, „Social-Economic Debates”, 11 (1), 53-61, BDI Indexed Journal, ISSN 2360-1973, ISSN-L 2248-3837, (2022).</li> <li>• <b>Dosescu Tatiana Corina</b>, <i>"The Preimage of the Smarandache Function and Connection with Cryptographic Protection of Financial Information (1)"</i>, "Social-Economic Debates”, 10(1), 1-8, BDI Indexed Journal, ISSN 2360-1973, (2021).</li> <li>• <b>Dosescu Tatiana Corina</b>, Victor Raischi, Adi Nicoleta Crăciun, <i>"A simulation of a homogeneous Markov chain in discrete time whose transition matrix changes randomly"</i>, „Social- Economic Debates”, Volume 9, Issue 1, BDI Indexed Journal, (2020).</li> <li>• <b>Dosescu Tatiana-Corina</b>, Tiberiu Dosescu, <i>"An Algorithm for Calculating Smarandache's Function and wich using Legendre's Formula"</i>, „Social-Economic Debates”, 9 (2), 1-10, BDI Indexed Journal, ISSN 2360-1973, ISSN-L 2248-3837, (2020).</li> <li>• <b>Dosescu Tatiana-Corina</b>, <i>"The Extend Sum of the Digits of a Natural Number in the Decimal Representation „The Test With 9” and FERMAT’s Diagnosis"</i>, „Social Economic Debates”, Volume 8, Issue 1, BDI Indexed Journal, (2019).</li> <li>• <b>Dosescu Tatiana-Corina</b>, Anca Adriana Cristea, Mihaela Simona Apostol, <i>"An Econometric Approach of Risk Model in Insurance"</i>, „Social-Economic Debates”, 7(2), 31-37, BDI Indexed Journal, ISSN (2018).</li> <li>• <b>Dosescu Tatiana-Corina</b>, Constantin Raischi, [2011], <i>"Another Category of the Stochastic Dependence for Econometric Modeling of Time Series Data"</i>, 2011/ 4/ Economic Computation and Economic Cybernetics Studies and Research, ISI Journal, ISSN 0424-267X.</li> <li>• <b>Dosescu Tatiana-Corina</b>, Constantin Raischi, [2009], <i>"The Econometric Modeling of a System of Three Random Variables with the <math>\beta</math> Dependence"</i>, 2009/ 4/ Economic Computation and</li> </ul> |
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Economic Cybernetics Studies and Research, ISI Journal, ISSN 0424-267X.

- **Dosescu Tatiana-Corina**, Constantin Raischi, [2008], *"The Econometric Model of a Random System that Generates Time Series Data"*, 2008/ 3-4/ Computation and Economic Cybernetics Studies and Research, ISI Journal, ISSN 0424-267X.

**Publications in Conference Proceedings:**

- **Dosescu Tatiana-Corina**, Daniela Joița, Geanina Silvana Banu, Mironela Pîrnău, Claudia Elena Dinuca, Tudor Cătălin Apostolescu – *"LLM Customization with WATSONX.AI: Tweaking a Model for Specifics Tasks"*, The 19th Edition of International Conference on "Education and Creativity for a Knowledge Based Society", November 20th – 22nd, 2025, "Titu Maiorescu" University of Bucharest, Romania, (2025).
- **Dosescu Tatiana-Corina**, Geanina Silvana Banu, Iustin Priescu, Marius Irinel Banu – *"Prompt Engineering in Cybersecurity – Achieving Technological Edge"*, Emerging and Disruptive Technologies' Impact on Global Security, (2025).
- **Dosescu Tatiana-Corina**, Anca Adriana Cristea, Mihaela-Simona Apostol, *Two-Dimensional Random Variables Defined on a Product of Measurable Spaces - Applications*, The 5th Edition of International Conference on "Globalization and Competitiveness in Knowledge-Based Economy", April 23rd – 24th, UCDC, MTC, Bucharest, Romania, pag. 65-76, Journal "Quality – Access to Success", ISSN 15822559, (2015).
- **Dosescu Tatiana-Corina**, Anca Adriana Cristea, Mihaela-Simona Apostol, *Theme Parks – Between Reality and Imaginary*, The 5th Edition of International Conference on "Globalization and Competitiveness in Knowledge-Based Economy", April 23rd – 24th, 2015, UCDC, MTC, Bucharest, Romania, pag. 113-115, Journal "Quality – Access to Success", ISSN 15822559, (2015).
- **Dosescu Tatiana-Corina**, Anca Adriana Cristea, Mihaela-Simona Apostol, *The Peculiarities of Journalistic Discourse*, The 5th Edition of International Conference on "Globalization and Competitiveness in Knowledge-Based Economy", April 23rd – 24th, 2015, UCDC, MTC, Bucharest, Romania, pag. 146-151, Journal "Quality – Access to Success", ISSN 15822559, (2015).

**Research Projects and Grants:**

- 2008 – 2011 - *"Research on the Development of an Experimental Model of a Mobile Learning Virtual Network with Real-Time Access to Knowledge and Learning, Using Communication Technologies and Wireless Terminal Devices"*, Contract no. 12087/ october 2008 – member in the research team.
- 2009 – 2010 - *"Research on the Adaptation of Information Flows in ERP (Enterprise Resource Planning) Systems for the Integrated Processing of Information on Tax Management, Inventory and Costs"*, the research contract had an international status and was conducted in accordance with the contractual regulations of the

European Union under the 7th Framework Programme (FP7) – Principal Investigator (PI).

- 2024 - 2025 - *“Internships in the Academic Center of Artificial Intelligence in Cloud and with Partners – AI#CONNECT”*, SMIS code 312737, within the project call *“Promoting the development of high-quality, flexible tertiary education programmes aligned with labour market requirements – STUDENT INTERNSHIPS – Less Developed Regions”* PEO/71/PEO\_P7/OP4/ESO4.5/PEO\_A49, beneficiary Titu Maiorescu University of Bucharest – Academic Supervisor 2.