Europass
Curriculum Vitae

Personal information

First name / Surname	**Elena Nechita**
Address	4 B 5 Tipografilor, 600244, Bacau, Romania
Telephone(s)	0040 334805480 Mobile: 0040 748670861
E-mail	enechita@ub.ro, elenechita@yahoo.com
Nationality	Romanian
Date of birth	December 6, 1964
Gender	F

Work experience

October 2015 - Present

Professor, Department of Mathematics, Informatics and Educational Sciences, Faculty of Sciences
Vice Rector for Research Programmes and International Relations

Main activities and responsibilities   Teaching, Research, Management

July 2005 – September 2015

Occupation or position held   Associate Professor, Department of Mathematics, Informatics and Educational Sciences, Faculty of Sciences

Main activities and responsibilities   Teaching:
- Courses (Artificial Intelligence, Database Management Systems, Computer Assisted Instruction, Probability Theory), seminars and laboratories at undergraduate and graduate levels;
- Advised students on their bachelor and master graduation theses, academic projects and presentations;
- Served in the examination committee for the admission/graduation of students in Mathematics and Informatics programmes.

Research:
- Articles, books;
- Member in scientific projects;
- Organizer for scientific events;
- Reviewer.

Management:
- Vice-Rector for Research Programmes and International Relations (since April 2012)
- Head of the Department of Mathematics, Informatics and Educational Sciences (2008 – March 2012)
- Head of the Distance Learning Department at "Vasile Alecsandri" University of Bacau, Romania (2007 – 2008)
- Member of the Council of the Faculty of Sciences (2002 – March 2012).

February 1995 – July 2005   Lecturer, Department of Mathematics and Informatics

March 1992 – February 1995   Assistant Professor, Department of Mathematics and Informatics

Name and address of employer   "Vasile Alecsandri" University of Bacau
Calea Marasesti 157, 600115, Bacau, Romania, www.ub.ro

September 1987 – February 1992

Occupation or position held   Software developer, Department of Computer Science

Main activities and responsibilities   Design and implementation of software for human resources, production launch, inventory software

Name and address of employer	Electro-pneumatic Panels Factory PEROM, Bacau, Romania

Education and training

January 2015	Oracle Database 11g: Data Mining Techniques, Oracle University, Bucharest
November 2013	Evidence-based delivery of literacy training in the digital era, ESBN Academy, November 25-29. Vox, Norwegian Agency for Lifelong Learning, Oslo, Norway
July 2013	Training course: Project Manager, Civil Society Development Foundation, Bucharest Training course Quality Management in Higher Education, "Alexandru Ioan Cuza" University of Iasi, Romania
October 2012	Training course: "Maîtrise des outils de recherche et d'accès à la documentation scientifique", Agence Universitaire de la Francophonie, Bacau, Romania
September 2012	Training programme in the didactics of Information and Communication Technologies, within the project "Quality, innovation, communication in the system of continuous learning of the specialists in higher education", Predeal, Romania
September 2011	Foresight and Strategic Planning for University Leaders, training program within "Quality and Leadership for Romanian Higher Education" strategic project, Bucharest, Romania
August 2011	Summer Academy: "New perspectives in didactics. From student-oriented approach to competencies approach", Alba Iulia, Romania
September 2009	Programming with PL/SQL course, Oracle, Bucharest, Romania
September 2008	Database modeling and programming with SQL course, Oracle, Bucharest
May 2008	Quality Management Systems course, University "Vasile Alecsandri" of Bacau, Romania
February 1992 – December 2000	Ph.D. in Information Sciences "Alexandru Ioan Cuza" University of Iasi, Romania Doctoral thesis title: "Probabilistic Methods in Proof Theory" Supervisor: Professor Hab. Dumitru Todoroi, Ph.D., Academy of Economic Studies of Moldova, Chisinau, Republic of Moldavia
October 1983 – June 1987	Master of Science in Mathematics and Informatics "Alexandru Ioan Cuza" University of Iasi, Romania Dissertation title: "Simulation of Discrete Event Systems"

Personal skills and competencies

Mother tongue(s)	Romanian
Other languages	English, French

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient use	C2	Proficient use	C1	Proficient use	C1	Proficient use	C2	Proficient use
French	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Professional competencies	Artificial Intelligence; Probability Theory and Statistics; Complex Systems.
Social skills and competencies	Good communication skills and empathy Team working skills.
Organisational skills and competencies	Adaptability, good management of working relationships Good understanding of the processes in higher education Analytical and critical thinking, prospective actions, creativity in problem solving Learning and self-development capabilities

Respect for diversity, cooperation and capacity to accomplish desired objectives.

Computer skills	Programming (C, C++, Lisp, Java) Databases (Oracle) Unix, Windows
Driving licence	Category B

Additional information

Member of the Romanian Mathematical Society (since 2008)
Member of the European Mathematical Society (since 2009)
Member of the International Institute of Informatics and Systemics (since 2008)
Member of the Romanian Society of Automation and Technical Informatics (since 2013)
Correspondent member of The American-Romanian Academy of Arts and Sciences (since 2014)
Member of the European Association for the Teaching of Academic Writing (since 2015)

Annexes List of publications

LIST OF PUBLICATIONS
(Selection)

Articles in scientific journals

1. Elena Nechita, Gloria Cerasela Crişan, Laszlo Barna Iantovics and Yitong Huang (2020) On the Resilience of Ant Algorithms. Experiment with Adapted MMAS on TSP, Mathematics 2020, 8(5), 752; doi:10.3390/math8050752

2. László Barna Iantovics, Dimitris K. Iakovidis, Elena Nechita (2019) II-Learn - A Novel Metric for Measuring the Intelligence Increase and Evolution of Artificial Learning Systems, International Journal of Computational Intelligence Systems, Volume 12, Issue 2, Pages 1323–1338, FI: 2,153 (2018), ISSN: 1875-6891 https://doi.org/10.2991/ijcis.d.191101.001

3. Hoek G, Ranzi A, Alimehmeti I, Ardeleanu ER, Arrebola JP, Ávila P, Candeias C, Colles A, Crişan GC, Dack S, Demeter Z, Fazzo L , Fierens T, Flückiger B, Gaengler S, Hänninen O, Harzia H, Hough R, Iantovics BL, Kalantzi OI, Karakitsios SP, Markis KC, Martin-Olmedo P, Nechita E, Nicoli T, Orru H, Pasetto R, Pérez-Carrascosa FM, Pestana D, Rocha F, Sarigiannis DA, Teixeira JP, Tsadilas C, Tasic V , Vaccari L, Iavarone I, de Hoogh K (2018). A review of exposure assessment methods for epidemiological studies of health effects related to industrially contaminated sites, Epidemiologia e prevenzione, 42(5-6) Suppl 1, p. 21-36, 2018, DOI:10.19191/EP18.5-6.S1.PO21.085

4. Iantovics L.B., Rotar C., Nechita E. (2016). A novel robust metric for comparing the intelligence of two cooperative multiagent systems, Procedia Computer Science vol. 96, pp. 637 – 644. Proceedings of the 20th International Conference on Knowledge Based and Intelligent Information and Engineering Systems, KES2016, 5-7 September 2016, York, United Kingdom

5. Manea L.R., Bertea A.P., Nechita E., Popescu C.V., Sandu I. (2016) Mathematical model of the electrospinning process, Part I. Effect of the distance between electrodes on the electrospun fibers diameter, Revista de chimie, 67 (7), 1284-1289, FI = 0,677

6. Manea L.R., Bertea A.P., Nechita E., Popescu C.V., Sandu I. (2016) Mathematical model of the electrospinning process, Part II. Effect of the technological parameters on the electrospun fibers diameter, Revista de Chimie, 67(8), 1607-1612, FI = 0,677

7. Crişan G.C., Nechita E., Palade V. (2016) Ant-Based System Analysis on the Traveling salesman Problem Under Real-World Settings, in Hatzilygeroudis I., Palade, V., Prentzas, J. (Eds.), Combinations of Intelligent Methods and Applications, Smart Innovation, Systems and Technologies 46, 39-59, Springer International Publishing, ISBN 978-3-319-26858-3 (presented at the 4th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2014), in conjunction with IEEE International Conference on Tools with Artificial Intelligence (ICTAI-14), 10-11 november 2014, Limassol, Cyprus)

8. Manea L.R., Stănescu I., Nechita E., Agop M. (2015) Some Fractal Logical Elements in Nanostructures, Journal of Computational and Theoretical Nanoscience, 12(11), 4373-4376, FI: 1,343

9. Manea L.R., Nechita E., Danu M.C., Agop M. (2015) On the Complex Systems' Deformation Thermodynamics at Nanoscale, Journal of Computational and Theoretical Nanoscience, 12(11), 4693-4699, FI: 1,343

10. Manea L.R., Nechita E., Sandu I.G. (2015) Electrospinning of Polyetherimide Solution: Effect of Nozzle Sizes on the Diameter of the Fiber, Revista de Chimie, 66 (11), 1841-1846, FI: 0,677

11. Manea L.R., Scârleţ R., Amariei N., Nechita E., Sandu I.G. (2015) Study on Behaviour of Polymer Solutions in Electrospinning Technology, Revista de chimie, 66(4), 542-546, FI: 0,677

12. Nechita E. (2014). Teaching advanced concepts in Artificial Intelligence. An Experiment, Annals of "Dunărea de Jos" University of Galaţi, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year VI (XXXVII), 2014, 132-139.

13. Postolică V., Nechita E., Lupu C. (2014). The Romanian Mathematics and Informatics Education, British Journal of Education, Society & Behavioural Science, 4 (2), 226-240.

1. Nechita E. (2013). Measures for uncertain data. Case study on data extracted from mass media. Scientific Studies and Research, Series Mathematics and Informatics, 23(1), pp.85-96.

2. Pacurari, D., Nechita, E. (2013). Transition from Education to the Active Life for Accounting Graduates. A Grounded Theory Study. Review of Research and Social Intervention, 40, 94-106.

3. Talmaciu M., Nechita E., Iantovicz B. (2013). Recognition and combinatorial optimization algorithms for bipartite chain graphs, Computing and Informatics, 32 (2), 313-329.

4. Nechita E., Muraru C., Talmaciu M. (2012) - A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), pp. 2249-2256

5. Talmaciu M., Nechita E. (2012) - On Confidentially Connected-Free Graphs, Acta Universitasis Apulensis, Mathematics-Informatics, Special Issue on Understanding Complex Systems, pp. 62-73.

6. Talmaciu M., Nechita E. (2011) - On partitionable, confidentially connected and unbreakable graphs, Analele Stiintifice ale Universităţii Ovidius Constanţa - Seria Matematică, Vol 19 (1), pp. 263-273.

7. Nechita Elena - On the Approaches of Classical AI and Embodied AI, Scientific Studies and Research, Series Mathematics and Informatics, ISSN 1224-2519, Vol 21, 2011 (1), pp. 175-178.

8. Talmaciu M., Nechita E. (2010). Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, Studies in Informatics and Control, vol. 19 (4), pp. 427-434.

9. Nechita E. (2010). Some Considerations on Seriality and Synchronicity, BRAIN. Broad Research in Artificial Intelligence and Neuroscience, vol.1 (1), pp. 49-54.

10. Talmaciu M., Nechita E. (2010). On Polar, Trivially Perfect Graphs, International Journal of Computers, Communications and Control IJCCC, vol.V, no.5, pp. 939-945.

11. Talmaciu M., Nechita E., Crişan G.C. (2009). A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, Studies in Informatics and Control, vol. 18(4): pp. 349-354.

12. Nechita E. (2009). On the Vehicle Routing Problem with Time Windows and Multiple Use of Vehicles, Scientific Studies and Research - series Mathematics and Informatics, vol. 19, pp. 335-344.

13. Crişan G.C., Nechita E. (2008). Adaptive Heuristic for the Generalized Assignment Problem, Scientific Studies and Research - series Mathematics and Informatics, vol. 18, pp. 47-54.

14. Păcurari D., Muntean M., Nechita E. (2008). Increasing the Rentability of Transportation Activities by Using Vehicle Routing Applications, Scientific Studies and Research - series Mathematics and Informatics, vol. 18, pp. 211-220.

15. Crişan G.C., Nechita E. (2008). Solving Fuzzy TSP with Ant Algorithms, International Journal of Computers, Communications and Control, vol. III, suppl. issue, pp. 228-231.

16. Talmaciu M., Nechita E. (2008). Recognition Algorithm for Antenna-Free Graphs, International Journal of Computers, Communications and Control, vol. III, suppl. issue, pp. 508-511.

17. Crişan, G.C., Nechita, E., Talmaciu, M. (2007). How often does the Parrondo effect appear?, in Fluctuation and Noise Letters, Singapour, vol. 7, nr. 2, pp. 19-25.

18. Talmaciu M., Nechita E. (2007). Recognition Algorithm for Diamond-Free Graphs, Informatica, Vilnius, Lituania, vol. 18, nr. 3, pp. 457-462.

19. Nechita, E., Talmaciu, M., Crişan, G.C. (2006) Recognizing Dart-Free Graphs, in Proceedings of the International Conference on Computers, Communication and Control ICCC2006, Oradea, Romania, vol. I (suppl. issue), pp. 332-335.

20. Crişan, G.C., Nechita, E., Talmaciu, M., Pătruţ, B. (2006). Using Centrality Indices in Ant Systems, in Proceedings of the International Conference on Computers, Communication and Control ICCC2006, Oradea, Romania, vol. I (suppl. issue), pp. 146-149.

21. Nechita, E., Crişan, G.C. (2004). On the parameter set of an Ant system, Scientific Studies and Researches, Mathematics Series Nr.14, pp. 77-90.

22. Crişan G.C., Nechita, E. (2003). An Ant algorithm for the matriceal form of GAP, Scientific Studies and Researches, Mathematics Series, Nr.13, 2003, pp. 11-16.

23. Nechita, E., Şaradici, M. (1998). Using probabilistic programs for solving some problems, Scientific Studies and Researches, Mathematics Series, Nr.8, pp., 63-68.

24. Nechita, E. (1998). On a problem in logical programming, Bulletin of "Petroleum-Gas" University, Ploieşti, vol. XLVIII-L, Nr.16, pp. 103-106.

25. Puiu, G., Nechita, E., Gîrţu, M. (1995). The arithmetic radical of some vectors in a 4-dimensional vector space - Scientific Studies and Researches, Mathematics Series, Nr.5, pp. 95-98.

26. Nechita E., Puiu G. (1994). Sur une caractristique numerique d'un system de trois variables aleatoires reelles - Scientific Studies and Researches, Mathematics Series, Nr.4, pp. 35-40.

Articles in Proceedings

1. G. C. Crişan, E. Nechita (2019) On a cooperative truck-and-drone delivery system, 23rd International Conference on Knowledge Based and Intelligent information and Engineering Systems (KES2019), Budaptesta, 4-6 sept. 2019, http://kes2019.kesinternational.org/
2. E. Nechita, G. C. Crişan, L.B. Iantovics (2019) Computational Intelligence for Solving Difficult Transportation Problems, 23rd International Conference on Knowledge Based and Intelligent information and Engineering Systems (KES2019), Budaptesta, 4-6 sept. 2019, http://kes2019.kesinternational.org/
3. Nechita E., Laszlo B.I. (2015) A View on the Romanian contaminated sites. Romanian's national strategy and a case study, in R.Pasetto, I. Iavarone (Eds.), First Plenary Conference Industrially Contaminated Sites and Health Network (ICSHNet, COST Action IS1408), Istituto Superiore di Sanità, Roma, 1-2 octombrie 2015, Proceedings, ISSN 1123-3177, Rapporti ISTISAN 16/27, 82-83
4. Nechita E., Cojocariu V.M., Păcurari D. (2014). Internationalization of higher education at home. An initiative for teaching Informatics, Procedia - Social and Behavioral Sciences, 624–628.
5. Dumitriu C., Timofti I.C., Nechita E., Dumitriu Gh. (2014). The influence of the locus of control and decision-making capacity upon the leadership style, Procedia. Social and Behavioral Sciences, vol. 141, 494-499.
6. Nechita E., Nicuţă D., Ifrim I.L., Păcurari D., Crişan G.C. (2013). On blended collaborative learning. Case study: A project on raising awareness regarding GMOs, Proceedings of the 5th World Conference on Educational Sciences, Sapienza University of Rome, Italy, February 2013
7. Nechita E., Timofti I.C. (2011) – Increasing Indepedence versus Increasing Collaboration with ICT Support, Procedia Social and Behavioral Sciences, ISSN 1877-0428, Vol 29, 2011, pp. 1508-1517. Proceedings of the International Conference on Education and Educational Psychology, Istanbul, October 2011
8. Talmaciu M., Nechita E. (2010). Optimization Problems on Threshold Graphs, BRAIN. Broad Research in Artificial Intelligence and Neuroscience, Special Issue on Complexity in Sciences and Artificial Intelligence, Proceedings of the International Symposium on Understanding Intelligent and Complex Systems, UICS 2009, Targu Mures, Romania, vol. 1, pp. 61-68.
9. Nechita E., Talmaciu M., Timofti I., Tomozei C. (2010). Study Concerning the Access to Online Educational Resources and the Use of Online Collaboration Instruments, Proceedings of the 6th International Seminar "Quality Management in Higher Education" – QMHE2010, Tulcea, Romania, vol. II, pp. 567-570.
10. Talmaciu M., Nechita E. (2009). Combinatorial Optimization for Split Graphs, Proceedings of the 2nd International Conference on e-Health and Bioengineering EHB 2009, Constanţa, Romania, pp. 55-58.
11. Talmaciu M., Nechita E.(2009). An Algorithm for the Bisection Problem on Trivially Perfect Graphs, Proceedings of the 1st International Conference Bio-Inspired Computational Methods Used for Solving Difficult Problems – Development of Intelligent and Complex Systems BICS'2008, Targu Mures, Romania, AIP Conference Proceedings, Melville, New York, pp. 60-66.

Research projects - member

1. DigForASP: Digital Forensics – Evidence Analysis via Intelligent Systems and Practices, COST Action 17124, 9/10/2018-9/9/2022.
2. ICSHNet: Industrially Contaminated Sites and Health Network, COST Action IS1408, 29/04/2015 – 28/04/2019.
3. CS-DC: UNESCO UniTwin International Complex Systems Digital Campus, since May 2014.
4. Lazăr G. (project manager) (2012-2015). Teaching and learning technological disciplines through the network of interactive ceramic whiteboards with integrated sound (eno), PN-II-PT-PCCA-2011-3.2-1108
5. Topliceanu L. (project manager) (2012-2014). Towards 100% RES rural communities, acronym 100% RES communities, European Commission Programme – Innovation and Competitivity, Contract: IEE/11/014/SI2.616363/ 2012; Partners: CLER France; Climate Alliance, Austria; Solagro, France; deENet Germany, APERe, Belgium; Legambiente, Italy; Community Energy Scotland, UK; EnergiaKlub, Hungary; RURENER, France; E-Forum, Slovenia; CITYPLAN, Czech Republic.
6. Talmaciu M. (project manager) (2012-2013). Classes of graphs, complexity of problems and algorithms – Bilateral agreement between Romanian Academy and National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research, competition "AR-FRBCF".
7. Topliceanu L. (project manager) (2009-2011). RURENER – RUral Network for ENERgetic neutrality, Intelligent Energy Europe Project, "Vasile Alecsandri" University of Bacău.
8. Iantovicz, B., Hluchý, L. (project managers) (2010). Hybrid Complex Medical Systems, ComplexMediSys – Capacities Programme/Module III, Bilateral agreement between Romania and Slovacia. Partners: Slovak Academy of Sciences and "Petru Maior" University of Tg. Mureş, Romania.

9. Kountchev, R., Iantovicz, B. (project managers) (2010). Electronic Health Records for the Next Generation of Medical Decision Support in Romanian and Bulgarian National Healthcare Systems (NextGenElectroMedSupport) – Capacities Programme/Module III, Bilateral agreement between Bulgaria and Romania. Partners: Technical University of Sofia, Bulgaria, "Petru Maior" University of Tg. Mureş, Romania, National Institute of Chemistry and Petro-chemistry ICECHIM, Bucharest, Romania, "Lucian Blaga" University of Sibiu, Romania.
10. Raţi I.V. (project manager) (2006-2009). Grant CEEX: ECOHIPOCARP. The bio-technological capitalization of the productive potential at *Hyppophae rhamnoides ssb. carpathica* through the complex characterization of the variety, an ecologic harvest resource for a long-term agriculture.
11. Brudaru O. (coordonator) (2006-2009). Grant CEEX II03/31.07.2006 – Academic grid for complex applications.

Projects from Structural Funds

1. Increase of the competitiveness of the Innovative Regional Cluster EURONEST IT&C Hub and stimulation of the interactions among members, in order to develop high-tech products and services, 2013-2014.
2. „Competencies in Communication. Performance in Education", POS-DRU, Partners: Babeş-Bolyai University of Cluj, Al. I. Cuza University of Iaşi, National School of Political and Administrative Studies - Bucharest, National Centre of Teachers Training – CNFP. Member since January 2012.

Research projects - coordinator

1. Nechita E. (project manager) - Bacău and Lugano – teaching Informatics for a Sustainable Society (acronym BLISS), 2013-2016, project within the Swiss-Romanian Cooperation Programme, Thematic Fund Partnership and Expert Fund, Partnership Block Grant
2. Nechita, E. (project manager), Crişan, G.C., Mocanu M., Talmaciu. M., Patriciu, A. (2008). Statistical study concerning the quality control of the pieces in the civil aviation. "Vasile Alecsandri" University of Bacău - SC AEROSTAR SA Bacău, Romania.

Books

1. Iantovics L.B., Rotar C., Nechita E. (2018) Intelligent University Library Information Systems to Support Students Efficient Learning. In: Cheng L., Leung A., Ozawa S. (eds.) Neural Information Processing. ICONIP 2018. Lecture Notes in Computer Science, vol 11306. Springer Cham, ISNB 978-3-030-04223-3, e-ISBN 978-3-030-04224-0, DOI https://doi.org/10.1007/978-3-030-04224-0_17
2. Liliana Rozemarie Manea, Andrei-Petru Bertea, Elena Nechita and Carmen Violeta Popescu (2018), Mathematical Modeling of the Relation between Electrospun Nanofibers Characteristics and the Process Parameters, in Tomasz Tański (ed.), Electrospinning Method Used to Create Functional Nanocomposites Films, IntechOpen, London, UK, ISBN Electrospinning Method Used to Create Functional Nanocomposites Films, DOI: 10.5772/intechopen.75350
3. Crişan G. C., Nechita E., Palade V. (2017) On the Effect of Adding Nodes to TSP Instances: An Empirical Analysis. In Hatzilygeroudis I., Palade, V., Prentzas, J. (Eds.) Advances in Combining Intelligent Methods, vol. 116, 25-45. Springer International Publishing, ISBN 978-3-319-46199-1, e-ISBN 978-3-319-46200-4. Postproceedings of the 5th International Workshop CIMA-2015, Vietri sul Mare, Italy, November 2015 (at ICTAI 2015)
4. Cîrţiţă-Buzoianu C., Nechita E. (Eds.) (2016) Social Inclusion in the Digital Era, Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 978-606-17-0978-6
5. Cojocariu V.M., Crişan G.C., Nechita E. (2016) A Journey into the World of Knowledge through Project-Based Learning – an Interdisciplinary Strategy, in Jazayeri M., Pautasso C., Cojocariu V.M., Furdu I.M. (Eds)., Informatics. Innovative Teaching Approaches, 9-30, Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 978-606-17-0978-6
6. Nechita E., Crişan G.C., Obreja S.M., Damian C.S. (2016) Chapter 12: Intelligent Carpooling System. A Case Study for Bacău Metropolitan Area, in Nakamatsu K., Kountchev R. (Eds.) New Approaches in Intelligent Control. Techniques, Methodologies and Applications, 43-72, Intelligent Systems Reference Library, Springer International Publishing, ISBN 978-3-319-32166-0, e-ISBN 978-3-319-32168-4

7. Manea L.R., Cramariuc B., Cramariuc O., Cramariuc R., Nechita E., Popescu C., Scarlet R. (2016) Recent progress in electrospun nanofibers, Nova Science Publishers Inc.
8. Crişan G.C., Nechita E., Palade V. (2016) Ant-Based System Analysis on the Traveling Salesman Problem Under Real-World Settings, in Hatzilygeroudis I., Palade, V., Prentzas, J. (Eds.) Combinations of Intelligent Methods and Applications, Smart Innovation, Systems and Technologies, vol.46, 39-59, Springer International Publishing, ISBN 978-3-319-26858-3. Proceedings of the 4th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2014), in conjunction with IEEE International Conference on Tools with Artificial Intelligence (ICTAI-14), 10-11 noiembrie 2014, Limassol, Cipru
9. Nechita E. (2015) Chapter 4: Statistics Used for Quality Control. An Acceptance Sampling Case Study, in Popescu C.V., Crişan G.C. (Eds.), Statistics and Applications. A Computational Perspective, LAMBERT Academic Publishing, Saarbrücken, Germany, 184-214, ISBN 978-3-659-63946-3
10. Nechita E (2014). Didactics of Information and Communication Technologies, Matrix Rom Publishing House, Bucharest (in Romanian)
11. Nechita E. (2013). Chapter 17: Teaching for Long-Term Memory, in B. Iantovics and R. Kountchev (eds.), Advanced Intelligent Computational Technologies and Decision Support Systems, Studies in Computational Intelligence, Volume 486, Springer International Publishing, Switzerland
12. Talmaciu, M., Nechita, E., Iantovics, B. (2013). On Confidentially Connected-Free Graphs, in Roumen Kountchev, Barna Iantovics (Eds.), Studies in Computational Intelligence, Volume 473: Advances in Intelligent Analysis of Medical Data and Decision Support Systems, ISBN: 978-3-319-00028-2 (Print) 978-3-319-00029-9 (Online)
13. Nechita, E. (2011). Chapter 1: Synergy in Computer Science, in: Pătruţ, B., Crişan G.C. (Editors) - Modern Paradigms in Computer Science and Applied Mathematics. A Synergetic Perspective, Akademische Verlagsgemeinschaft München.
14. Nechita, E. (2010). Applications of mathematical statistics, PIM Publishing House, Iaşi (in Romanian).
15. Todoroi, D., Micusa, D., Crişan G.C, Nechita, E. (2008). Informatics Bases, Second Revised Edition, PIM Publishing House, Iaşi.
16. Todoroi, D., Micusa, D., Nechita E., Crişan G.C (2007). Birotics, vol II, second revised edition, EduSoft, Bacău (in Romanian).
17. Todoroi, D., Micusa, D., Crişan G.C, Nechita E. (2007). Birotics, vol I, second revised edition, EduSoft, Bacău (in Romanian).
18. Todoroi, D, Micusa, D., Nechita E., Crişan G.C., Furdu I.M. (2006). Birotics, EduSoft, Bacău (in Romanian).
19. Nechita, E. – Simulation of discrete event systems, Tehnopress Publishing House, Iaşi, 2005 (in Romanian).

Courses

1. Jazayeri M., Pautasso C., Crişan G-C., Nechita E. (Eds.) (2016) Informatics and its pervasive applications. Student projects to change the world, Casa Cărţii de Ştiinţă, Cluj Napoca, ISBN 978-606-17-0979-3
2. Nechita E. (2013). Databases, Alma Mater, Bacău (in Romanian).
3. Muraru C.V., Nechita E. (2013). Informatics for Economists, Alma Mater, Bacău (in Romanian).
4. Nechita Elena, Timofti Iulia Cristina (2011). Computer Aided Instruction, Alma Mater, Bacău (in Romanian).
5. Nechita, E., Crişan G.C., Talmaciu M. (2007). Parallel and Distributed Algorithms, Alma Mater (in Romanian).
6. Nechita, E. (2007). Informatics for economists (course for distance learning), "Vasile Alecsandri" University of Bacău (in Romanian).
7. Nechita, E., Crişan G.C. (2007). Marketing Information Systems (course for distance learning), "Vasile Alecsandri" University of Bacău (in Romanian).

Participation in Scientific Committees

1. 6th International conference on Advanced Computing (ADCOM-2020), Copenhagen, Denmark, https://acsty2020.org/adcom/index.html
2. 22nd International Conference on Enterprise Information Systems, Cairo, Egypt
3. 9th IEEE International Conference on Intelligent Computing and Information Systems, IEEE ICICIS'19, 8-10 Dec., 2019, Cairo, Egipt, http://net2.asu.edu.eg/icicis/2019/
4. Third International Conference on Knowledge Engineering in BioMedical Informatics and Digital Health (KEBIDH 2016), Varna, Bulgaria, 3-11 Sept. 2016

5. International Conference on Communication, Management and Information Technology (ICCMIT2016), Cosenza, Italia, 26-29 April 2016
6. International Workshop on Artificial Intelligence Technologies for Spatial Risk Prediction, AITSRP, December 14, 2013 – Cairo, Egypt
7. 9th International Meeting "Euro-Mediterranean Medical Informatics and Telemedicine: e-Health and Telemedicine in Mediterranean Countries – EMIT 2013, October 21-23, 2013 - Nador, Morocco
8. "First International Conference on Advanced Machine Learning Technologies and Applications - AMLTA12", Cairo, Egypt, December 8-10, 2012.
9. "International Workshop on Next Generation Intelligent Medical Decision Support Systems - MedDecSup 2012", Sofia, Bulgaria, July 2012.
10. "International Workshop on Next Generation Intelligent Medical Decision Support Systems - MedDecSup 2011", Târgu Mureş, Romania, November 2012.
11. "International Conference on Advances of Information & Communication Technology in Health Care – ICTHC 2011", Jakarta, Indonesia, December 12-16, 2011.
12. "Understanding Intelligent and Complex Systems" UICS 2009, Târgu Mureş, Romania, 2009.
13. "Bio-Inspired Computational Methods Used for Difficult Problem Solving", BICS'2008, Târgu Mureş, Romania, 2008.