



Europass Curriculum vitae

Personal information

Surname/ First name	Czibula, Gabriela		
Address(es)	Cluj-Napoca, Romania		
Telephone(s)	+40.264.405327 (office)	Mobile:	(private)
Fax(es)	+40.364.814062		
E-mail	gabriela.czibula@ubbcluj.ro		
Web	https://www.cs.ubbcluj.ro/~gabis/		
Nationality	Romanian		
Date of birth	April, 1969		
Gender	Female		

Desired employment / Occupational field

Professor of Computer Science, Babeş-Bolyai University

Work experience

Period	Since October 2009
Occupation or position held	PhD supervisor
Main activities and responsibilities	Research activity
Name and address of employer	Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector	Higher education

Period	Since October 2009
Occupation or position held	Professor
Main activities and responsibilities	Didactic and research activity
Name and address of employer	Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector	Higher education

Period	October 2005 – September 2009
Occupation or position held	Associate professor
Main activities and responsibilities	Didactic and research activity
Name and address of employer	Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector	Higher education

Period	February 2002 – September 2005
Occupation or position held	Lecturer
Main activities and responsibilities	Didactic and research activity
Name and address of employer	Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector	Higher education

Period October 1998 – February 2002
Occupation or position held Teaching assistant
Main activities and responsibilities Didactic and research activity
Name and address of employer Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector Higher education

Period February 1998 – September 1998
Occupation or position held Computer scientist
Main activities and responsibilities Software development
Name and address of employer SC Ancada SRL Cluj-Napoca
Type of business or sector Comercial

Period September 1992 – January 1998
Occupation or position held Teacher
Main activities and responsibilities Didactic activity
Name and address of employer National Gas School, Mediaş
Type of business or sector Education

Education and training

Period October 1998 – March 2003
Title of qualification awarded Ph.D. in Computer Science
Principal subjects/occupational skills covered Doctoral studies in Artificial Intelligence

Name and type of organisation providing education and training Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Public institution
Level in national or international classification Doctoral level
ISECD Level 8

Period September 1987 – July 1992
Title of qualification awarded B.Sc. Degree Diploma in Computer Science
Principal subjects/occupational skills covered Specialization Computer Science, lectures in the fields of Mathematics and Computer Science

Name and type of organisation providing education and training Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Public institution
Level in national or international classification Bachelor level
ISECD Level 6

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level ()*

English

French

Hungarian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

Social skills and competences	<ul style="list-style-type: none"> • Capacity to adapt to multicultural environments, obtained via academic international mobilities (Hungary, Slovakia, Greece). • Teamwork skills, obtained through the activities carried out in research projects. • Good communication skills, obtained through the experience achieved in the didactic and research activity.
Organisational skills and competences	<ul style="list-style-type: none"> • Since 2017 I have been Director of the Doctoral School in Mathematics and Computer Science of UBB. • I am the leader of MLYRE, Machine Learning Research Group - Babeş-Bolyai University, Faculty of Mathematics and Computer Science (http://www.cs.ubbcluj.ro/ml/). • I have experience in project management, team management skills and organisational competences obtained via organising workshops and conferences, summer schools, mentoring students in research activities, organising the graduation exams, the faculty admission exams and other contests. <p>Managerial experience</p> <ul style="list-style-type: none"> • 2020-2023 Principal investigator WeaMyL - <i>Enhancing the performance and reliability of national weather warning systems by use of deep learning techniques applied on radar, satellite and ground meteorological observations</i>, Norwegian Grants, Collaborative research projects, RO-NO-2019-0133, 1.084.919 EUR • 2021-2023, Principal investigator project <i>Enhancing the quality of software systems using deep learning models for defects prediction and detection</i>, PNCDI III Project – Exploratory research projects, Project PN-III-P4-ID-PCE-2020-0800, 2021-2023, 1.198.032 RON • 2017-2018: Project leader DRONEM - <i>Optimizing Data Delivery in Multi-Robot Network Patrolling using Machine Learning</i>, Project PN III-Bilateral cooperation Romania-France, mobilities project • 2008-2010: Project leader <i>Researches in adaptive optimization of software systems using machine learning techniques and multiagent systems</i>, PNCDI II Project – Exploratory research projects, Code CNCISIS ID_2286/2008 • 2007-2010: Project leader <i>Contributions in the domain of Multiagent Systems, using cognitive psychology, interface agents and aspect oriented programming</i>, Grant TP-T no. 30943/12.07.2007, Babeş-Bolyai University internal grant.
Computer skills and competences	Competences in programming and in using software tools.
Driving licence	Category B

Additional information

- Since 2020: Member of the Scientific Council of Babeş-Bolyai University, Cluj-Napoca (<https://cercetare.ubbcluj.ro/en/scientific-council/>)
- Since 2017: Director of the Doctoral School in Mathematics and Computer Science, Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca
- Since 2017: Executive editor, Studia Universitatis Babeş-Bolyai, Series Informatica
- 2014 – 2020: Member in the Computer Science committee of CNATDCU.
- Since 2011: Member in the Council of the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca (Commission for scientific research, strategy and excellence - <https://www.cs.ubbcluj.ro/standing-committees-of-the-council-of-the-faculty-of-mathematics-and-computer-science/>)
- Since 2011: Member in the Council of the Computer Science Department. Responsibilities – research activity, organizing the graduation exams and coordinating the faculty admission exams (2011-2016, 2020)
- Since 2009 - PhD supervisor in Computer Science at Babeş-Bolyai University, Cluj-Napoca
 - 14 PhD students received the PhD degree in Computer Science since 2013
 - 11 with “Excellent” qualifier
 - 3 with “Very good” qualifier
 - 2 PhD students defended their PhD thesis in September, 2023 (“Excellent” qualifier).
 - 4 PhD students are currently under supervision.
- **Research interests:** Machine learning; Distributed artificial intelligence and multiagent systems; Interdisciplinary applications of computational intelligence in: computational biology, medicine, meteorology, software engineering, computational linguistics, etc..
- **Editorial activities**
 - Executive editor of Studia Universitatis “Babeş-Bolyai” Informatica journal (since 2017).
 - Scientific reviewer of more than 15 WoS indexed journals: *Expert Systems With Applications*, *Soft computing*, *IET Software*, *Software Quality Journal*, *IEEE Access*, *IETE Technical Review*, *International Journal of Information Technology and Decision Making*, *International Journal of Pattern Recognition and Artificial Intelligence*, *Studies in Informatics and Control*, *Journal of Systems and Software*, etc.
- **Doctoral and habilitation committees**
 - member in more than 27 doctoral committees (in Romania and abroad)
 - member in 4 habilitation committees
- **Scientific and organizing committees**
 - member in the scientific or organizing committees of more than 20 international conferences: *Modelling and development of intelligent systems*, *Joint Conference on Mathematics and Computer Science*, *International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, *International Conference On Mathematical Applications*, *International Conference on Computational Science and Technology*, etc.
 - member in the scientific and organizing committee of 3 international workshops (WeADL 2021, 2022, 2023 - <http://www.cs.ubbcluj.ro/weadl/>)
- **Scientific publications: 227**
 - 121 WoS publications (44 in journals and 77 in conferences proceedings)
 - 8 in Q1, 12 in Q2 – according to AIS
 - 93 indexed publications (INSPEC, ACM, DBLP, MathematicalReviews)
 - 13 publications which are not indexed

Annexes

- **Books** with accredited publishing houses: **8**; **Manuals**: **4**
- **Citations** (Google Scholar): more than **1850**
- **Citation indices**

Hirsch index (Google Scholar)	20
Hirsch index (Scopus)	12
Hirsch index (WoS)	10
- **Google Scholar profile:** https://scholar.google.ro/citations?user=0_ybi_oAAAJ&hl=en
- **ANNEX I - Professor and habilitation criteria**, as described in OMECS 6129/20.12.2016
- **ANEX II - List of publications**
- For the scientific research activity and other relevant information, please access the detailed Curriculum vitae at <http://www.cs.ubbcluj.ro/~gabis/Curriculum%20vitae.pdf>.

November 2023

prof. dr. Czibula Gabriela

Prof. univ. dr. Gabriela Czibula

Professor and habilitation criteria, as described in OMECTS 6129/20.12.2016

A list of selective citations has been considered for perspective c).

Indicator	Minimal value	Self-evaluation
Perspective b) – SCIENTIFIC PRODUCTION		
- indicator P	56	377.45
- category A*+A	24	136.32
- category A*+A+B	40	263.45
Perspective c) – IMPACT OF RESULTS		
-indicator C	120	2515
- category A*+A+B	40	1678.66
Perspective d) – ACADEMIC PERFORMANCE	60	222.14
Projects with a team of at least two members, obtained by (inter-) national competition	1	5
TOTAL	236	3114.59

November 2023

ANNEX II

List of publications Prof. dr. Gabriela (ȘERBAN) CZIBULA

I Research papers - 227

Ia Publications in Web of Science – 121

Publications in Science Citation Index Expanded - 44

The WoS quartile is computed using the AIS from the publication year

1. Șerban, G., Câmpan, A., Czibula, I.G., *A Programming Interface For Finding Relational Association Rules*, International Journal of Computers, Communications and Control, Vol. 1/2006, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2006, Oradea, 2006, pp. 934-944
2. Dărăbant, A.S., Câmpan, A., Șerban, G., *Incremental Horizontal Fragmentation: A new Approach in the Design of Distributed Object Oriented Databases*, International Journal of Computers, Communications and Control, Vol. 1/2006, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2006, Oradea, 2006, pp. 170-174
3. Câmpan, A., Șerban, G., *Adaptive Clustering Algorithms*, the 19th Canadian Conference on Artificial Intelligence, Canadian AI-2006, Quebec, Canada, 2006, in *Advances in Artificial Intelligence*, LNAI 4013, L. Lamontagne and M. Marchand (Eds.), Springer-Verlag Berlin Heidelberg 2006, pp. 409–420
4. Șerban, G., Câmpan A., *Hierarchical Adaptive Clustering*, Informatica, Vilnius, Lithuania, Vol. 19, No. 1, 2008, pp. 101-112
5. Czibula, I.G., Șerban, G., *Hierarchical clustering based design patterns Identification*, International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 248-252
6. Tatar, D., Șerban, G., Mihis, A., Mihalcea R., *Textual Entailment as a Directional Relation*, Journal of Research and Practice in Information Technology, Vol. 41, Nr. 1, 2009, pp. 17-28
7. Czibula, G., Cojocar, G.S., *A hierarchical clustering based approach in aspect mining*, Computing and Informatics, Bratislava, Slovakia, Volume 29, No. 6, 2010, pp. 881-900
8. Czibula, G., Czibula, I.G., *Incremental Refactoring Using Seeds*, SIC Journal, Studies in Informatics and Control, Vol. 19, Issue. 3, 2010, pp. 271-284
9. Bocicor, M. I., Czibula, G., Czibula, I.G., *A Distributed Q-Learning Approach to Fragment Assembly*, SIC Journal, Studies in Informatics and Control, Vol. 20, Issue. 3, 2011, pp. 221-232
10. Czibula, G., Bocicor, M. I., Czibula, I.G., *Promoter Sequences Prediction Using Relational Association Rule Mining*, Evolutionary Bioinformatics, Vol. 8, 2012, pp. 181-196 (Q2)
11. Zsuzsanna Marian, Gabriela Czibula, Istvan Gergely Czibula, *Using Software Metrics for Automatic Software Design Improvement*, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (3), pp. 249-258, 2012
12. Czibula, G., Czibula, I.G., *Unsupervised Restructuring of Object-Oriented Software Systems using Self-Organizing Feature Maps*, International Journal of Innovative Computing Information and Control, Japan, Volume 8, No. 3(A), 2012, pp. 1689-1704
13. Czibula, G., Crișan C.G., Pinte, M.C., Czibula, I.G., *Soft computing approaches on the bandwidth problem*, Informatica, Vilnius, Lithuania, 2013, Vol. 24, No. 1, pp. 1–12
14. Czibula, G., Czibula, I.G., Găceanu, R.D., *Intelligent Data Structures Selection using Neural Networks*, Knowledge and Information Systems, Volume 34, Issue 1, 2013, Page 171-192 (Q2)

15. **Czibula, G.**, Bocicor, M. I., Czibula, I.G., *Temporal Ordering of Cancer Microarray Data through a Reinforcement Learning Based Approach*, PloS One journal, 8(4): e60883, doi:10.1371/journal.pone.0060883, 2013 (Q1)
16. Doina Tatar, Diana Inkpen, **Gabriela Czibula**, Text segmentation using Roget-based weighted lexical chains, Computing and Informatics, Vol. 32, 2013, pp. 1001-1018
17. **Gabriela Czibula**, Istvan Gergely Czibula, *Software systems performance improvement by intelligent data structures customization*, Information Sciences, Vol. 274, 2014, pp. 249-260 (2018 IF=5.524, Q1)
18. **Gabriela Czibula**, Zsuzsanna Marian, Istvan Gergely Czibula, *Software Defect Prediction using Relational Association Rule Mining*, Information Sciences, Vol. 264, April 2014, pp. 260-278 (2018 IF=5.524, Q1)
19. **Czibula, G.**, Czibula, I.G., Găceanu, R.D., *A Support Vector Machine Model For Intelligent Selection of Data Representations*, Applied Soft Computing, Volume 18, May 2014, Pages 70–81 (Q2)
20. **Gabriela Czibula**, Zsuzsanna Marian, Istvan Gergely Czibula, *Detecting Software Design Defects Using Relational Association Rule Mining*, Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577 (Q2)
21. **Gabriela Czibula**, Istvan Gergely Czibula, Adela Sîrbu, Ioan-Gabriela Mircea, *A novel approach to adaptive relational association rule mining*, Applied Soft Computing journal, Vol. 36, November 2015, pp. 519-533, 2015 (Q2)
22. **Gabriela Czibula**, Vlad-Sebastian Ionescu, Diana-Lucia Miholca, Ioan-Gabriel Mircea, *Machine learning based approaches for predicting stature of archaeological skeletal remains from long bone lengths*, Journal of Archaeological Science, vol. 65, pp. 85-99, 2016 (Q1)
23. Czibula, I.G., **Czibula, G.**, Marian, Zs., Ionescu, V.-S. *A Novel Approach Using Fuzzy Self-Organizing Maps for Detecting Software Faults*, Studies in Informatics and Control, ISSN 1220-1766, vol. 25 (2), pp.207-216, 2016
24. Miholca, D.L., **Czibula, G.**, Czibula, I.G., *A novel approach for software defect prediction through hybridizing gradual relational association rules with artificial neural networks*, Information Sciences 441C (2018), pp. 152-170 (Q1)
25. **Czibula, G.**, Czibula, I.G., Marian, Zs., *An effective approach for determining the class integration test order using reinforcement learning*, Applied Soft Computing 65C (2018) pp. 517-530 (Q2)
26. Albert, S., Teletin, M., **Czibula, G.**, *Analyzing Protein Data Using Unsupervised Learning Techniques*, International Journal of Innovative Computing, Information and Control, Volume 14, Number 3, June 2018, pp. 861-880
27. Czibula, I.G., **Czibula, G.**, Miholca, D.L., Oneț-Marian, Zs., *An aggregated coupling measure for the analysis of object-oriented software systems*, Journal of Systems and Software, Volume 148, pp. 1-20, 2019 (Q2)
28. **Czibula, G.**, Czibula, I.G., Miholca, D.L., Crivei, M.L., *A novel concurrent relational association rule mining approach*, Expert systems with Applications, Vol. 125, pp. 142-156, 2019 (Q1)
29. **Czibula, G.**, Codre C., Teletin, M., *AnomalP: An approach for detecting anomalous protein conformations using deep autoencoders*, Expert systems with Applications, Volume 166, 15 March 2021, 114070, (Q1)
30. **Czibula, G.**, Andrei, M., Mihuleț, E., *NowDeepN: An ensemble of deep learning models for weather nowcasting based on radar products' values prediction*, Applied Sciences, Special Issue Applied Machine Learning, 2021, 11(1), 125
31. **Gabriela Czibula**, Alexandra Albu, Maria Iuliana Bocicor, Camelia Chira, *AutoPPI: An ensemble of deep autoencoders for protein-protein interaction prediction*, Entropy, Special issue on Computational Methods and Algorithms for Bioinformatics, 23(6), 643, 2021
32. **Czibula G.**, Mihai, A., Albu, A.-I., Czibula, I.G., Burcea, S. Mezghani, A., *AutoNowP: An approach using deep autoencoders for precipitation nowcasting based on weather radar reflectivity prediction*, Mathematics, 9(14):1653. Special Issue on Computational Optimizations for Machine Learning, 2021
33. Zsuzsanna Oneț-Marian, **Gabriela Czibula**, Mariana-Ioana Maier, *Using self-organizing maps for comparing students' academic performance in online and traditional learning environments*, Studies in Informatics and Control, vol. 30(4), pp. 31-42, 2021
34. Bratu A., **Czibula G.**, *DAuGAN: An approach for augmenting time series imbalanced datasets via latent space sampling using adversarial techniques*, Scientific Programming, Volume 2021, Article ID 7877590 <https://doi.org/10.1155/2021/7877590>
35. Nistor, S.C., **Czibula, G.**, *IntelliSwAS: Optimizing Deep Neural Network Architectures using a Particle Swarm-based Approach*, Expert systems with Applications, Volume 187, January 2022, 11594 (Q1)
36. Mariana-Ioana Maier, **Gabriela Czibula**, Zsuzsanna Oneț-Marian, *Towards Using Deep Autoencoders for Comparing Traditional and Synchronous Online Learning in Assessing Students' Academic Performance*, Mathematics, Engineering Mathematics - special issue on Didactics and Technology in Mathematical Education, 2021, 9(22), 2870
37. Diana-Lucia Miholca, Vlad-Ioan Tomescu, **Gabriela Czibula**, *An in-depth analysis of the software features' impact on the performance of deep learning-based software defect predictors*, IEEE Access, Volume 10, 64801 – 64818, 2022 (Q2)
38. **Gabriela Czibula**, Mihaela Lupea, Anamaria Briciu, *Enhancing the performance of software authorship attribution using an ensemble of deep autoencoders*, Mathematics, Special Issue "Recent Advances in Artificial Intelligence and Machine Learning", 2022, 10(15):2572

39. **Gabriela Czibula**, George Ciubotariu, Mariana Maier, Hannelore-Inge Lisei, *IntelliDaM: A machine learning based framework for enhancing the performance of decision-making processes. A case study for educational data mining*, IEEE Access, Volume 10, 80651-80666, 2022 (Q2)
40. Albu, A.-I., **Czibula G.**, Mihai, A., Czibula, I.G., Burcea, S. Mezghani, A., *NeXtNow: A Convolutional Deep Learning Model for the Prediction of Weather Radar Data for Nowcasting Purposes*, Remote Sensing, Special Issue "Artificial Intelligence-Based Learning Approaches for Remote Sensing", 2022, 14(16), 3890 (Q2)
41. Ciubotariu, G., **Czibula, G.**, *MBMT-Net: A multitask learning based convolutional neural network architecture for dense tasks performance improvement*, IEEE Access, 2022, Volume 10, pages 125600 - 125615 (Q2)
42. Alexandra-Ioana Albu, Maria-Iuliana Bocicor, **Gabriela Czibula**, *MM-StackEns: A new deep multimodal stacked generalization approach for protein-protein interaction prediction*, Computers in biology and medicine, Vol. 153, 106526, 2023 (Q2)
43. Burcea, S., Mihuleț, E., Mihai, A., **Czibula, G.**, *Enhancing the Performance of Quantitative Precipitation Estimation Using Ensemble of Machine Learning Models Applied on Weather Radar Data*, Atmosphere, Special Issue Special Issue "Precipitation Observations and Prediction ", 14(1):182, 2023
44. Mariana Maier, **Gabriela Czibula**, Lavinia Delean, *Using unsupervised learning for mining behavioural patterns from data. A case study for the baccalaureate exam in Romania*, Studies in Informatics and Control vol. 32(2), pp. 73-84, 2023

Publications in Conference Proceedings Citation Index - 77

1. **Șerban, G.**, Tătar, D., *Word Sense Disambiguation for Untagged Corpus: Application to Romanian Language*, Proceedings of CICling 2003, Mexico City, Mexic, in *Computational Linguistics and Intelligent Text Processing, Lecture Notes in Computer Science* N 2588, Springer-Verlag Berlin Heidelberg 2003, Alexander Gelbukh (Ed.), pp.268-272, ISBN 3-540-00843-8
2. **Șerban, G.**, Tătar, D., *An improved algorithm on Word Sense Disambiguation*, Proceedings of IIS 2003 (Intelligent Information Systems - New Trends in Intelligent Text Processing and Web Mining), Zakopane, Poland, in *Advances in Soft Computing*, Springer Verlag, 2003, XIV, pp.199-208, ISBN 3-540-00843-8
3. **Șerban, G.**, Câmpan, A., *Incremental Clustering Using a Core-Based Approach*, Proceedings of The 20th International Symposium on Computer and Information Science (ISCIS'05), Istanbul, Turkey, 2005, in *Computer and Information Sciences-ISCIS 2005, Lecture Notes in Computer Science* N 3733, Springer-Verlag Berlin Heidelberg 2005, pp.854-863, P. Yolum et al. (Eds), ISBN: 3-540-29414-7
4. **Șerban, G.**, *A New Programming Interface for Reinforcement Learning Simulations*, in *"Intelligent Information Processing and Mining"* Proceedings of IIS:IIPWM'05 (Intelligent Information Systems - New Trends in Intelligent Information Processing and Web Mining), Gdansk, Poland, 2005, in *Advances in Soft Computing*, Springer Verlag, 2005, XV, pp.481-485, Klopotek, Mieczyslaw A.; Wierzchon, Slawomir T.; Trojanowski, Krzysztof (Eds.), ISBN: 3-540-25056-5
5. **Șerban, G.**, Câmpan, A., *A New Core-Based Method For Hierarchical Incremental Clustering*, Proceedings of the 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'05), Timisoara, Romania, IEEE Computer Society Press, 2005, pp. 77-82, D. Zaharia (Ed.), ISBN 07695-2453-2
6. Câmpan, A., **Șerban, G.**, *A New Incremental Core-Based Clustering Method*, Proceedings of the Second IFIP Conference on Artificial Intelligence Applications and Innovations (IAI'05), Beijing, China, 2005, pp.269-278
7. **Șerban, G.**, Moldovan, G.S, *A new k-means based clustering algorithm in Aspect Mining*, Proceedings of the 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'06), Timisoara, Romania, 2006, pp.69-74
8. **Șerban, G.**, Tarța, A., Moldovan, G.S, *A Learning Interface Agent for User Behavior Prediction*, Proceedings of HCI International 2007, China, LNCS 4552: HCI Intelligent Multimodal Interaction Environments by J. Jacko, ISBN 978-3-540-73108-5, pp. 508-517
9. Czibula, I.G., **Șerban, G.**, *A Programming Interface for Determining Refactorings of Object-Oriented Software Systems using Clustering*, ICCP 2007: Proceedings of the IEEE 3rd International Conference on Intelligent Computer Communication and Processing, September, 6-8, 2007, Cluj-Napoca, Romania, pp. 271-274
10. Cojocar, G.S, **Șerban, G.**, *On Evaluating Aspect Mining Techniques*, ICCP 2007: Proceedings of the IEEE 3rd International Conference on Intelligent Computer Communication and Processing, September, 6-8, 2007, Cluj-Napoca, Romania, pp. 217-224
11. **Șerban, G.**, Czibula, I.G., *Restructuring Software Systems Using Clustering*, ISCIS 2007, Proceedings of The 22th International Symposium on Computer and Information Sciences, November 7-9, Ankara, Turkey, 2007, pp. 262-267
12. **Șerban, G.**, Czibula, I.G., *Object-Oriented Software Systems Restructuring through Clustering*, ICAISC'08, The Eighth International Conference on Artificial Intelligence and Soft Computing, LNAI 5097, pp. 693-704
13. Czibula, I.G., **Șerban, G.**, *Identifying Design Patterns in Object-Oriented Software Systems Using Unsupervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 347-352
14. **Czibula, G.**, Guran, A., Cojocar, G.S, Czibula, I.G., *Multiaagent Decision Support Systems based on Supervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 353-358

15. Cojocar, G.S., **Czibula, G.**, *On Clustering Based Aspect Mining*, ICCP 2008: Proceedings of the IEEE 4th International Conference on Intelligent Computer Communication and Processing, 2008, Cluj-Napoca, Romania, pp. 129-136
16. Czibula, I.G., **Czibula, G.**, *Clustering based automatic refactorings identification*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, IEEE Society Press, pp. 253-256
17. Tătar, D., Mihiș, A., **Czibula G.**, *Lexical Chains Cohesion Segmentation in Summarization*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, IEEE Society Press, pp. 95-101
18. Czibula, I.G., **Czibula, G.**, *Refactorings Detection Using Hierarchical Clustering*, European Computing Conference, ECC'08, Malta, 2008, pp.332-337
19. **Czibula, G.**, Czibula, I.G., Cojocar, G.S, Guran, A., *IMASC - An Intelligent MultiAgent System for Clinical Decision Support*, International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems - Medical Applications of the Complex Systems Biomedical Computing CANS' 2008, Targu Mures, IEEE Society Press, 2008, pp. 183-188
20. **Czibula, G.**, Cojocar, G.S, Czibula, I.G., *A partitionial clustering algorithm for crosscutting concerns identification*, Proceedings of the 8th International Conference on Software Engineering, parallel and distributed systems (SEPADS '09), Cambridge, UK, 2009, pp. 111-116
21. Tătar, D., Tămăianu, E., **Czibula, G.**, *Segmenting text by lexical chains distribution*, KEPT 2009, Knowledge Engineering: Principles and Techniques, International Conference, Babes-Bolyai University, Presa Universitară Clujeană, 2009, pp. 69-76
22. **Czibula, G.**, Guran, A., Czibula, I.G., Cojocar, G.S., *IPA - An Intelligent Personal Assistant Agent For Task Performance Support*, ICCP 2009: Proceedings of the IEEE 5th International Conference on Intelligent Computer Communication and Processing, 2009, Cluj-Napoca, Romania, pp. 31-34
23. Czibula, I.G., **Czibula, G.**, Guran, A., *Dynamic customization of data structures instances using an agent based approach*, SYNASC 2009, Proceedings of the 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, pp. 341-347
24. **Czibula, G.**, Czibula, I.G., Cojocar, G.S., Guran, A., *Assisting Software Maintenance and Evolution Using an Agent Based Approach*, Post-proceedings of KEPT 2009, pp. 197-204
25. **Czibula, G.**, Czibula, I.G., *Adaptive Refactoring Using a Core-Based Clustering Approach*, Proceedings of the 9th International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '10), Cambridge, UK, 2010, pp. 133-138
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