

Fișa privind îndeplinirea standardelor universității în domeniul INFORMATICĂ

Nume: **Breaban Mihaela Elena**
 Poziția curentă: Conferentiar universitar
 Poziția vizată PROFESOR
 Universitate: "Alexandru Ioan Cuza", Iasi
 Departament: Facultatea de Informatica, Departamentul de Informatica

| Perspectivă | TOTAL | | | |
|-----------------------|--------|-----------------------|-----|--------------------|
| Producția științifică | 102 | din care de tip A*+A: | 56 | de tip A*+A+B: 82 |
| Impactul rezultatelor | 879 | din care de tip A*+A: | 567 | de tip A*+A+B: 763 |
| Performanța academică | 120.5 | | | |
| Total General | 1101.5 | | | |

| | Criterii CNATDCU - PROFESOR | | Realizat | grad indeplinire |
|----------------|---|-----|--|------------------|
| Perspectiva b) | prag A*+A>= | 24 | 56 indeplinit | 233% |
| | prag A*+A+B >= | 40 | 82 indeplinit | 205% |
| | total >= | 56 | 102 indeplinit | 182% |
| Perspectiva c) | prag A*+A+B >= | 40 | 763 indeplinit | 1908% |
| | total >= | 120 | 879 indeplinit | 733% |
| Perspectiva d) | total >= | 60 | 120.5 indeplinit | 201% |
| | Minim un proiect cu echipa de cel puțin 2 membri obținut prin competiție națională/internațională | | contract nr. 33 CI/2017 program PN-III-P2-2.1-CI-2017 indeplinit | 100% |
| Punctaj total | total>= | 236 | 1101.5 | 467% |

Data 20.12.2023

Semnatura

La perspectiva b) - productia stiintifica, nu s-au punctat lucrarile din workshopuri asociate conferintelor care nu au incadrare proprie - amendament impus la nivel FII
 La perspectiva c) nu au fost incluse autocitările directe și nici autocitările indirecte (realizate de coautori ai lucrării)

Producția științifică
TOTAL: 102
A+B: 82
A: 56

| An | Revistă / Conferința / Serie | liste utilizate | cat. | Detalii lucrare | nr autori | punctaj |
|------|--|---|------|--|-----------|---------|
| 2005 | IEEE CEC | CORE 2008 | A | Breaban, Mihaela and Luchian, Henri (2005). "PSO under an adaptive scheme". Evolutionary Computation, 2005. The 2005 IEEE Congress on 2(), 1212–1217 https://ieeexplore.ieee.org/document/1554828 | 2 | 8 |
| 2006 | LNCS | | C | Ionita, Madalina; Croitoru, Cornelius; Breaban, Mihaela; (2006) Incorporating inference into evolutionary algorithms for max-csp, Hybrid Metaheuristics, pages: 139-149, Springer https://link.springer.com/chapter/10.1007/11890584_11 | 3 | 2 |
| 2006 | BDI | | D | Ionita, Madalina; Breaban, Mihaela; Croitoru, Cornelius; (2006) A new scheme of using inference inside evolutionary computation techniques to solve cps, Symbolic and Numeric Algorithms for Scientific Computing, 2006. SYNASC'06. Eighth International Symposium on, pages:323-329, IEEE https://ieeexplore.ieee.org/document/4090337 | 3 | 0 |
| 2007 | IEEE-CEC | | A | Breaban, Mihaela; Ionita, Madalina; Croitoru, Cornelius; (2007) A new PSO approach to constraint satisfaction, Evolutionary Computation, 2007. CEC 2007. IEEE Congress on, pages:1948-1954, IEEE https://ieeexplore.ieee.org/document/4424712 | 3 | 8 |
| 2008 | BDI | | D | Breaban, Mihaela, and Silvia Luchian. "Shaping up Clusters with PSO." 2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing. IEEE, 2008. https://ieeexplore.ieee.org/document/5204866 | 2 | 0 |
| 2009 | IEEE CEC | CORE 2008, ERA 2010 | A | Breaban, Mihaela and Alboae, Lenuta and Luchian, Henri (2009). "Guiding users within trust networks using swarm algorithms". Evolutionary Computation, 2009. CEC'09. IEEE Congress on, 1770–1777 https://ieeexplore.ieee.org/document/4983155 | 3 | 8 |
| 2009 | GECCO | CORE 2008, ERA 2010 | A | Breaban, Mihaela Elena and Luchian, Henri (2009). "Unsupervised feature weighting with multi niche crowding genetic algorithms". Proceedings of the 11th Annual conference on Genetic and evolutionary computation ,1163–1170 https://dl.acm.org/doi/abs/10.1145/1569901.1570058 | 2 | 8 |
| 2010 | LNCS | | C | Breaban, Mihaela; (2010) Optimized ensembles for clustering noisy data, Learning and Intelligent Optimization, pages:220-223, Springer https://link.springer.com/chapter/10.1007/978-3-642-13800-3_23 | 1 | 2 |
| 2010 | IEA/AIE | ERA 2010, CORE 2013 | C | Breaban, Mihaela; (2010) Evolving ensembles of feature subsets towards optimal feature selection for unsupervised and semi-supervised clustering, Trends in Applied Intelligent Systems, pages:67-76, Springer https://dl.acm.org/doi/10.5555/1945847.1945857 | 1 | 2 |
| 2011 | Pattern Recognition | premiere 2011 (AIS) https://uefiscdi.gov.ro/Public/cat/683/Premiere-Articole-2011.html | A | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition https://www.sciencedirect.com/science/article/pii/S0031320310004905 | 2 | 8 |
| 2011 | GECCO | ERA 2010, CORE 2013 | A | Breaban, Mihaela Elena and Luchian, Henri (2011). "PSO aided k-means clustering: introducing connectivity in k-means". Proceedings of the 13th annual conference on Genetic and evolutionary computation , 1227–1234 https://dl.acm.org/doi/10.1145/2001576.2001742 | 2 | 8 |
| 2011 | BDI | | D | Breaban, Mihaela and Luchian, Henri and Simovici, Dan A (2011). "Entropic-Genetic Clustering." : EGC , 71–76 https://editions-mti.fr/?inproceed=1000931 | 3 | 0 |
| 2012 | International Journal of Computers, Communications and Control | | C | Breaban, Mihaela and Luchian, Henri (2012). "Outlier detection with nonlinear projection pursuit". International Journal of Computers Communications & Control 8 (1) , 30–36 http://univagora.ro/jour/index.php/ijccc/article/view/165 | 2 | 2 |
| 2012 | SYNASC | ERA 2010, CORE 2013 | C | Breaban, Mihaela Elena and Luchian, Henri and Simovici, Dan (2012). "A Genetic Clustering Algorithm by Monomial Projection Pursuit". Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2012 14th International Symposium on , 214–219 https://ieeexplore.ieee.org/document/6481032 | 3 | 2 |
| 2013 | BDI | | D | Breaban, Mihaela and Simovici, Dan and Luchian, Henri (2013). "Nonlinear Feature Extraction in a Logarithmic Space with Evolutionary Algorithms". Annals of West University of Timisoara-Mathematics 51(1) , 25–36 https://journals.scholarsportal.info/browse/18413293/v51i0001 | 3 | 0 |
| 2013 | Journal of Petroleum Science and Engineering | premiere 2013 (IF, AIS) https://uefiscdi.gov.ro/articole/3324/Pachet-de-informatii-Articole-2013.html | A | Cranganu, Constantin; Breaban, Mihaela; (2013) Using support vector regression to estimate sonic log distributions: A case study from the Anadarko Basin, Oklahoma, Journal of Petroleum Science and Engineering103, pages:42017, Elsevier https://www.sciencedirect.com/science/article/pii/S0920410513000430 | 2 | 8 |
| 2013 | LNCS | | C | Breaban, Mihaela Elena; (2013) Multiobjective projection pursuit for semisupervised feature extraction, Applications of Evolutionary Computation, pages:324-333, Springer Berlin Heidelberg https://link.springer.com/chapter/10.1007/978-3-642-37192-9_33 | 1 | 2 |
| 2013 | BDI | | D | Șerban, Cristina; Sirițeanu, Alexandra; Gheorghiu, Claudia; Iftene, Adrian; Alboae, Lenuta; Breabă, Mihaela; (2013) Combining image retrieval, metadata processing and naïve bayes classification at plant identification 2013 http://ceur-ws.org/Vol-1179/ | 6 | 0 |
| 2015 | HAIS | CORE 2014, CORE 2017 | C | R Necula, M Breaban, M Raschip; Performance Evaluation of Ant Colony Systems for the Single-Depot Multiple Traveling Salesman Problem; Hybrid Artificial Intelligent Systems, 257-268 https://link.springer.com/chapter/10.1007/978-3-319-19644-2_22 | 3 | 2 |
| 2015 | KES | CORE 2014, CORE 2017 | B | Breaban, Mihaela Elena, and Adrian Iftene. "Dynamic Objective Sampling in Many-objective Optimization." Procedia Computer Science 60 (2015): 178-187. https://www.sciencedirect.com/science/article/pii/S1877050915022449 | 2 | 4 |
| 2015 | ICTAI | CORE 2014, CORE 2017 | B | Necula, Raluca, Mihaela Breaban, and Madalina Raschip. "Tackling the Bi-criteria Facet of Multiple Traveling Salesman Problem with Ant Colony Systems." Tools with Artificial Intelligence (ICTAI), 2015 IEEE 27th International Conference on. IEEE, 2015. https://ieeexplore.ieee.org/abstract/document/7372224 | 3 | 4 |
| 2017 | IEEE CEC 2017 | CORE 2017 | B | R Necula, M Breaban, M Raschip "Tackling Dynamic Vehicle Routing Problem with Time Windows by means of ant colony system", Evolutionary Computation (CEC), 2017 IEEE Congress on, 2480-2487 https://ieeexplore.ieee.org/abstract/document/7969606 | 3 | 4 |
| 2018 | EVOLVE | | D | R Necula, M Raschip, M Breaban "Balancing the Subtours for Multiple TSP Approached with ACS: Clustering-Based Approaches Vs. MinMax Formulation" EVOLVE-A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation, 2018 https://link.springer.com/chapter/10.1007/978-3-319-69710-9_15 | 3 | 0 |
| 2018 | SYNASC | CORE 2018 | C | M. Diana, M. Breaban, H. Luchian. "Modeling Real Estate Dynamics Using Survival Analysis". Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2018 https://ieeexplore.ieee.org/abstract/document/8750715/ | 3 | 2 |

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|------|-----------------------|---|---|---|---|---|
| 2019 | IEEE CEC 2017 | CORE 2018, CORE 2020 | B | Lupoai, Vlad-Ioan, et al. "SOM-Guided Evolutionary Search for Solving MinMax Multiple-TSP." 2019 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2019. https://ieeexplore.ieee.org/abstract/document/8790276/ | 4 | 2 |
| 2019 | KES | CORE 2018, CORE 2020 | B | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." Procedia Computer Science 159 (2019): 736-745. https://www.sciencedirect.com/science/article/pii/S1877050919314152 | 2 | 4 |
| 2020 | KES | CORE 2020 | B | Ungureanu, Robert-Mihail, and Mihaela Elena Breaban. "An Evolutionary Distributed Framework for Projection Pursuit." Procedia Computer Science 176 (2020): 1023-1032. https://www.sciencedirect.com/science/article/pii/S1877050920319980 | 2 | 4 |
| 2020 | BDI | | D | R. Miron, C. Moisii, M. Breaban. "Revealing Lung Affections from CTs. A Comparative Analysis of Various Deep Learning Approaches for Dealing with Volumetric Data". Working Notes of CLEF 2020 - Conference and Labs of the Evaluation Forum http://ceur-ws.org/Vol-2696/ | 3 | 0 |
| 2021 | LNCS | WORKSHOP ASOCIAT CONFERINTA A (MICCAI), SE PUNCTEAZA doar ca LNCS | C | Miron, Radu, Ramona Albert, and Mihaela Breaban. "A Two-Stage Atrous Convolution Neural Network for Brain Tumor Segmentation and Survival Prediction." BrainLes@ MICCAI (2). 2020. https://link.springer.com/chapter/10.1007/978-3-030-72087-2_25 | 3 | 2 |
| 2021 | IEEE CEC 2017 | CORE 2021 | B | VI Lupoai, IA Chii, M Raschip, ME Breaban. "An Evolutionary Approach for Solving Multi-Objective WCSPs Using Mini-Bucket Elimination Heuristics." 2021 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2021. https://ieeexplore.ieee.org/abstract/document/9504973/ | 4 | 2 |
| 2021 | ICCV workshop -exclus | WORKSHOP ASOCIAT CONFERINTA A* (ICCV), NU SE PUNCTEAZA LA UAIC | | Miron, R., Moisii, C., Dinu, S., & Breaban, M. E. (2021). Evaluating volumetric and slice-based approaches for COVID-19 detection in chest CTs. In Proceedings of the IEEE/CVF International Conference on Computer Vision (pp. 529-536). https://openaccess.thecvf.com/content/ICCV2021W/MIA-COV19D/html/Miron_Evaluating_Volumetric_and_Slice-Based_Approaches_for_COVID-19_Detection_in_Chest_ICCVW_2021_paper.html | 4 | |
| 2022 | LNCS | | C | Miron, Radu, and Mihaela Elena Breaban. "Revitalizing Regression Tasks Through Modern Training Procedures: Applications in Medical Image Analysis for Covid-19 Infection Percentage Estimation." International Conference on Image Analysis and Processing. Springer, Cham, 2022. | 2 | 2 |
| 2022 | SYNASC - unranked | | | Radu Rosu, Mihaela Breaban, Henri Luchian. "Exploring the potential of prototype-based soft-labels data distillation for imbalanced data classification". SYNASC 2022, to appear in IEEE Proceedings | 3 | |
| 2023 | KES | | B | M Breaban, R Necula, D Lucanu, D Stamate. <i>Joint Decision Making in Ant Colony Systems for Solving the Multiple Traveling Salesman Problem</i> . KES 2023 | 4 | 2 |

**Perspectiva c) - FĂRĂ AUTOCITĂRI DIRECTE
ȘI FĂRĂ AUTOCITĂRI INDIRECTE**

TOTAL: 879

A*+A: 567

A*+A+B 763

| An | Detalii lucrare citată | Nr autori | Detalii lucrare care citează | Revistă / Conferința / Serie | | Punctaj |
|------|---|-----------|---|---|---|---------|
| | | #REF! | | | | |
| 2011 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Yu, Jian and Yang, Miin-Shen and Lee, E Stanley (2011). "Sample-weighted clustering methods". Computers & Mathematics with Applications 62(5) , 2200–2208 | Computers and Mathematics with Applications | B | 4 |
| 2012 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Ma, Liyong and Feng, Naizhang and Wang, Qi (2012). "Non-negative matrix factorization and support vector data description based one class classification". International Journal of Computer Science Issues 9(5) , 36–42 | BDI | D | 1 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Xia, Hu and Zhuang, Jian and Yu, Dehong (2013). "Novel soft subspace clustering with multi-objective evolutionary approach for high-dimensional data". Pattern Recognition 46(9) , 2562–2575 | Pattern Recognition | A | 8 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Basagana, Xavier and Barrera-Gomez, Jose and Benet, Marta and Ant'o, Josep M and Garcia-Aymerich, Judith (2013). "A framework for multiple imputation in cluster analysis". American journal of epidemiology 177(7) , 718–725 | American journal of epidemiology | A | 8 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Song, Xiaoning and Liu, Zi (2013). "A Hybrid Fuzzy Semi-supervised Learning Algorithm for Face Recognition". Robot, Vision and Signal Processing (RVSP), 2013 Second International Conference on , 111–114 | BDI | D | 1 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Cornforth, David and Nesbitt, Keith (2013). "Quality assessment of clusters of electrical disturbances: A case study". Industrial Electronics and Applications (ICIEA), 2013 8th IEEE Conference on , 247–254 | BDI | D | 1 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Foroutan, Farzane and Eftekhari, Mahdi (2013). "A new unsupervised fuzzy feature ranking measure for feature evaluation". Fuzzy Systems (IFSC), 2013 13th Iranian Conference on , 1–5 | BDI | D | 1 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | B'ejar Alonso, Javier and others (2013). "Unsupervised feature selection by means of external validity indices". , | Teze de doctorat/rapoarte cercetare | D | 1 |
| 2013 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Stoean, Ruxandra and Gorunescu, Florin (2013). "A survey on feature ranking by means of evolutionary computation". Annals of the University of Craiova-Mathematics and Computer Science Series 40(1) , 100–105 | BDI | D | 1 |
| 2014 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Bruckers, Liesbeth (2014). "Challenges in Cluster Analyses for Longitudinal Data". PhD Dissertation, Interuniversity Institute for Biostatistics and statistical Bioinformatics | Teze de doctorat/rapoarte cercetare | D | 1 |
| 2014 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Stoean, Catalin and Stoean, Ruxandra (2014). "Post-evolution of variable-length class prototypes to unlock decision making within support vector machines". Applied Soft Computing 25(), 159–173 | Applied Soft Computing | B | 4 |
| 2014 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Ramaraj, N. "Improving clustering and classification performance through effective attribute selection." (2014). PhD thesis http://ir.inflibnet.ac.in:8080/jspui/handle/10603/27370 | Teze de doctorat/rapoarte cercetare | D | 1 |
| 2014 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Tchatchouang Nuemi Gilles Eric. "Identification des profils de changement sur données longitudinales, illustrée par deux exemples: étude des trajectoires hospitalières de prise en charge d'un cancer. Construction des profils évolutifs de qualité de vie lors d'un essai thérapeutique pour un cancer avancé". PhD thesis. Dijon, 2014. http://www.theses.fr/2014DIJOM002 | Teze de doctorat/rapoarte cercetare | D | 1 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | JAVIDI, Mohammad Masoud, and Nasibeh EMAMI. "A hybrid search method of wrapper feature selection by chaos particle swarm optimization and local search." Turkish Journal of Electrical Engineering and Computer Sciences | Turkish Journal of Electrical Engineering and Computer Sciences | C | 2 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Kolesnikov, Alexander and Trichina, Elena and Kauranne, Tuomo (2015). "Estimating the number of clusters in a numerical data set via quantization error modeling". Pattern Recognition 48(3) , 941–952 | Pattern Recognition | A | 8 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Li, Kun and Gao, Xian-Wen and Zhou, Hai-Bo and Han, Ying (2015). "Fault diagnosis for down-hole conditions of sucker rod pumping systems based on the FBH–SC method". Petroleum Science , 1–13 | Petroleum Science | C | 2 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Gutierrez-Rodríguez, A. E., et al. "Mining patterns for clustering using unsupervised decision trees." Intelligent Data Analysis 19.6 (2015): 1297-1310. | IDA | A | 8 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Song, Xiaoning and Liu, Zi and Yang, Xibei and Yang, Jingyu and Qi, Yunsong (2015). "Extended Semi-supervised Fuzzy Learning Method for Nonlinear Outliers via Pattern Discovery". Applied Soft Computing , | Applied Soft Computing | B | 4 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Gutierrez-Rodríguez, AE and Martínez-Trinidad, J Fco and Garc'ia-Borroto, M and Carrasco-Ochoa, JA (2015). "Mining patterns for clustering on numerical datasets using unsupervised decision trees". Knowledge-Based Systems , | Knowledge-Based Systems | A | 8 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Zhu, Pengfei and Zuo, Wangmeng and Zhang, Lei and Hu, Qinghua and Shiu, Simon CK (2015). "Unsupervised feature selection by regularized self-representation". Pattern Recognition 48(2) , 438–446 | Pattern Recognition | A | 8 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Dong, Honghui, et al. "Traffic zone division based on big data from mobile phone base stations." Transportation Research Part C: Emerging Technologies (2015). | Transportation Research Part C: Emerging Technologies | A | 8 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Cornforth, David J., and Marc TP Adam. "Cluster Evaluation, Description, and Interpretation for Serious Games." Serious Games Analytics. Springer International Publishing, 2015. 135-155. | BDI | D | 1 |

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|------|---|---|---|---|---|---|
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Di Donna, Simone Aniello, Guido Cantelmo, and Francesco Viti. "A Markov chain dynamic model for trip generation and distribution based on CDR." Models and Technologies for Intelligent Transportation Systems (MT-ITS), 2015 International Conference on. IEEE, 2015. | BDI | D | 1 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Nuemi, Gillies, et al. "Construction of quality of life change patterns: example in oncology in a phase III therapeutic trial (FFCD 0307)." Health and quality of life outcomes 13.1 (2015): 1. | Health and Quality of Life Outcomes | B | 4 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Trinidad, PhD José Francisco Martínez. "Pattern-based clustering using unsupervised decision trees." PhD thesis - National Institute for Astrophysics, Optics and Electronics, Mexic (2015). | Teze de doctorat/rapoarte cercetare | D | 1 |
| 2015 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Feng, Jie, et al. "Unsupervised feature selection based on maximum information and minimum redundancy for hyperspectral images." Pattern Recognition (2015). | Pattern Recognition | A | 8 |
| 2016 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Valous, Nektarios A., et al. "Spatial intratumoral heterogeneity of proliferation in immunohistochemical images of solid tumors." Medical Physics 43.6 (2016): 2936-2947. | Medical Physics | B | 4 |
| 2016 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Chhabra, Jitender Kumar, and Dinesh Kumar. "An automated parameter selection approach for simultaneous clustering and feature selection." Journal of Engineering Research 4.2 (2016). | BDI | D | 1 |
| 2016 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Li Kun, HAN Ying, HUANG Haijiao, "Soft sensor method for moisture content of well oil based on automatic spectral clustering and multiple extreme learning".Huagong Xuebao/CIESC Journal,2925-2933 | BDI | D | 1 |
| 2016 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Solorio-Fernández, Saúl, J. Ariel Carrasco-Ochoa, and José Fco Martínez-Trinidad. "A new hybrid filter-wrapper feature selection method for clustering based on ranking." Neurocomputing (2016). | Neurocomputing | B | 4 |
| 2016 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Chaabani, Chayma, and Riadh Abdelfattah. "Optimized fuzzy algorithm based on modified similarity measure for mapping flood impacts." Geoscience and Remote Sensing Symposium (IGARSS), 2016 IEEE International. IEEE, 2016. | IGARSS | C | 2 |
| 2017 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Bruckers, Liesbeth, Geert Molenberghs, and Paul Dendale. "Clustering multiply imputed multivariate high-dimensional longitudinal profiles." Biometrical Journal (2017). | Biometrical Journal | B | 4 |
| 2017 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Solorio-Fernández, Saúl, José Fco Martínez-Trinidad, and J. Ariel Carrasco-Ochoa. "A New Unsupervised Spectral Feature Selection Method for Mixed Data: A Filter Approach." Pattern Recognition (2017). | Pattern Recognition | A | 8 |
| 2017 | Breaban, Mihaela and Luchian, Henri (2011). "A unifying criterion for unsupervised clustering and feature selection". Pattern Recognition 44(4) , 854–865 ; Pattern Recognition | 2 | Wang, Xuzhao, et al. "Travel distance characteristics analysis using call detail record data." Control And Decision Conference (CCDC), 2017 29th Chinese. IEEE, 2017. | BDI | D | 1 |
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| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Omar, Ahmed, et al. "Multi-label Arabic text classification in Online Social Networks." <i>Information Systems</i> (2021): 101785. | Information Systems 2020 | B | 4 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Vicente, Marta, et al. "Leveraging Machine Learning to Explain the Nature of Written Genres." <i>IEEE Access</i> 9 (2021): 24705-24726. | IEEE Access | A | 8 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Jang, Joel, et al. "Sequential targeting: A continual learning approach for data imbalance in text classification." <i>Expert Systems with Applications</i> 179 (2021): 115067. | Expert Systems with Applications | A | 8 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Neshir, Girma, Andreas Rauber, and Solomon Atnafu. "Meta-Learner for Amharic Sentiment Classification." <i>Applied Sciences</i> 11.18 (2021): 8489. | Applied Sciences-Basel | B | 4 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | De Angeli, Kevin, et al. "Class Imbalance in Out-of-Distribution Datasets: Improving the Robustness of the TextCNN for the Classification of Rare Cancer Types." <i>Journal of Biomedical Informatics</i> (2021): 103957. | Journal of Biomedical Informatics | A | 8 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Jiang, Wanrong, et al. "TextCut: A Multi-region Replacement Data Augmentation Approach for Text Imbalance Classification." <i>International Conference on Neural Information Processing</i> . Springer, Cham, 2021. | ICONIP 2021 | B | 4 |
| 2021 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Luo, Minxia, et al. "With a little help from familiar interlocutors: Real-world language use in young and older adults." <i>Aging & Mental Health</i> 25.12 (2021): 2310-2319. | Aging & Mental Health | A | 8 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Blanchard, Andrew, et al. "A Keyword-Enhanced Approach to Handle Class Imbalance in Clinical Text Classification." <i>IEEE Journal of Biomedical and Health Informatics</i> (2022). | IEEE Journal of Biomedical and Health Informatics | A | 8 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Chen, Li-Ming, Bao-Xin Xiu, and Zhao-Yun Ding. "Multiple weak supervision for short text classification." <i>Applied Intelligence</i> (2022): 1-16. | Applied Intelligence | B | 4 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Yeung, Ryan C., and Myra A. Fernandes. "Machine learning to detect invalid text responses: Validation and comparison to existing detection methods." <i>Behavior Research Methods</i> (2022): 1-16. | Behavior Research Methods | A* | 12 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Li, Zepeng, et al. "Deep Hierarchical Ensemble Model for Suicide Detection on Imbalanced Social Media Data." <i>Entropy</i> 24.4 (2022): 442. | Entropy | B | 4 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Balakrishnan, Vimala, and See Kiat Ng. "Personality and emotion based cyberbullying detection on YouTube using ensemble classifiers." <i>Behaviour & Information Technology</i> (2022): 1-12. | BEHAVIOUR & INFORMATION TECHNOLOGY | B | 4 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Madani, Mirmorsal, Homayun Motameni, and Hosein Mohamadi. "KNNGAN: an oversampling technique for textual imbalanced datasets." <i>The Journal of Supercomputing</i> (2022): 1-36. | Journal of Supercomputing 2022 | C | 2 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Wang, Gaoshan, Jian Wang, and Kejing He. "Majority-to-minority resampling for boosting-based classification under imbalanced data." <i>Applied Intelligence</i> (2022): 1-22. | Applied Intelligence | B | 4 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Kumar, Kushal, and Anoop Saladi. "PAVE: Lazy-MDP based ensemble to improve recall of product attribute extraction models." <i>Proceedings of the 31st ACM International Conference on Information & Knowledge Management</i> . 2022. | CIKM | A | 8 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Zhang, Yupei, et al. "WeStcoin: Weakly-Supervised Contextualized Text Classification with Imbalance and Noisy Labels." <i>2022 26th International Conference on Pattern Recognition (ICPR)</i> . IEEE, 2022. | ICPR | B | 4 |
| 2022 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Duvvuru Muni, Rajasekhara Reddy, et al. "On-Device Language Detection and Classification of Extreme Short Text from Calendar Titles Across Languages." <i>Natural Language Processing and Information Systems: 27th International Conference on Applications of Natural Language to Information Systems, NLDB 2022, Valencia, Spain, June 15-17, 2022, Proceedings</i> . Cham: Springer International Publishing, 2022. | NLDB | C | 2 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Aishehri, Jumanah, et al. "Aligning Comments to News Articles on a Budget." <i>IEEE Access</i> (2023). | IEEE Access 2022 | B | 4 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Pei, Wenbin, et al. "A Survey on Unbalanced Classification: How Can Evolutionary Computation Help?." <i>IEEE Transactions on Evolutionary Computation</i> (2023). | IEEE Transactions on Evolutionary Computation | A | 8 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Hasib, Khan Md, et al. "Strategies for enhancing the performance of news article classification in Bangla: Handling imbalance and interpretation." <i>Engineering Applications of Artificial Intelligence</i> 125 (2023): 106688. | Engineering Applications of Artificial Intelligence | A | 8 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Long, Kok Kiang, et al. "A deep multi-view imbalanced learning approach for identifying informative COVID-19 tweets from social media." <i>Computers in biology and medicine</i> 164 (2023): 107232. | Computers in Biology and Medicine 2023 | A | 8 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Nurwidyantoro, Arif, et al. "Integrating human values in software development using a human values dashboard." <i>Empirical Software Engineering</i> 28.3 (2023): 67. | Empirical Software Engineering 2023 | B | 4 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Ferreira, Isabella, Ahlaam Rafiq, and Jinghui Cheng. "Incivility detection in open source code review and issue discussions." <i>Journal of Systems and Software</i> (2023): 111935. | Journal of Systems and Software | B | 4 |
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Hunter, Sara Bronwen, Fiona Mathews, and Julie Weeds. "Using hierarchical text classification to investigate the utility of machine learning in automating online analyses of wildlife exploitation." <i>Ecological Informatics</i> 75 (2023): 102076. | Ecological Informatics | B | 4 |

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|------|---|---|---|--|------|----|----------|
| 2023 | Padurariu, Cristian, and Mihaela Elena Breaban. "Dealing with Data Imbalance in Text Classification." <i>Procedia Computer Science</i> 159 (2019): 736-745. | 2 | Du, Zehua, et al. "Merge Loss Calculation Method for Highly Imbalanced Data Multiclass Classification." <i>IEEE Transactions on Neural Networks and Learning Systems</i> (2023). | IEEE Transactions on Neural Networks and Learning Systems 2023 | A* | 12 | |
| 2021 | Lupoai, Vlad-Ioan, et al. "SOM-Guided Evolutionary Search for Solving MinMax Multiple-TSP." 2019 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2019. | 4 | Dong, Yafei, Quanwang Wu, and Junhao Wen. "An improved shuffled frog-leaping algorithm for the minmax multiple traveling salesman problem." <i>Neural Computing and Applications</i> (2021): 1-13. | Neural Computing and Applications 2021 | A | 4 | |
| 2022 | Lupoai, Vlad-Ioan, et al. "SOM-Guided Evolutionary Search for Solving MinMax Multiple-TSP." 2019 IEEE Congress on Evolutionary Computation (CEC). IEEE, 2019. | 4 | Zhang, Zhenqiang, Sile Ma, and Xiangyuan Jiang. "Research on Multi-Objective Multi-Robot Task Allocation by Lin-Kernighan-Helsgaun Guided Evolutionary Algorithms." <i>Mathematics</i> 10.24 (2022): 4714. | Mathematics 2022 | C | 1 | |
| 2021 | Necula, Raluca, Madalina Raschip, and Mihaela Breaban. "Balancing the subtours for multiple TSP approached with ACS: Clustering-based approaches vs. MinMax formulation." <i>EVOLVE-A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation VI</i> . Springer, Cham, 2018. 210-223. | 4 | Germenchuk, M. S., D. V. Lemtyuzhnikova, and V. A. Lukianenko. "Metaheuristic Algorithms for Multiagent Routing Problems." <i>Automation and Remote Control</i> 82.10 (2021): 1787-1801. | Automation and Remote Control | C | 1 | |
| 2021 | Miron Radu, Cosmin Moisii, Sergiu Dinu, and Mihaela Breaban. "COVID Detection in Chest CTs: Improving the Baseline on COV19-CT-DB." <i>arXiv preprint arXiv: 2107.04808</i> (2021). | 4 | Anwar, T. (2021). COVID19 Diagnosis using AutoML from 3D CT scans. In <i>Proceedings of the IEEE/CVF International Conference on Computer Vision</i> (pp. 503-507). | ICCV workshop | A* W | 3 | workshop |
| | | | | | | | |
| 2022 | Miron, Radu, Ramona Albert, and Mihaela Breaban. "A Two-Stage Atrous Convolution Neural Network for Brain Tumor Segmentation and Survival Prediction." <i>BrainLes@ MICCAI</i> (2). 2020. | 3 | Kaur, Gurinderjeet, Prashant Singh Rana, and Vinay Arora. "State-of-the-art techniques using pre-operative brain MRI scans for survival prediction of glioblastoma multiforme patients and future research directions." <i>Clinical and Translational Imaging</i> (2022): 1-35. | Clinical and Translational Imaging | C | 2 | |
| 2022 | Miron, Radu, Ramona Albert, and Mihaela Breaban. "A Two-Stage Atrous Convolution Neural Network for Brain Tumor Segmentation and Survival Prediction." <i>BrainLes@ MICCAI</i> (2). 2020. | 3 | Kaur, Gurinderjeet, Prashant Singh Rana, and Vinay Arora. "Extracting Radiomic features from pre-operative and segmented MRI scans improved survival prognosis of glioblastoma Multiforme patients through machine learning: a retrospective study." <i>Multimedia Tools and Applications</i> (2022): 1-36. | Multimedia Tools and Applications 2022 | C | 2 | |
| 2023 | Miron, Radu, Ramona Albert, and Mihaela Breaban. "A Two-Stage Atrous Convolution Neural Network for Brain Tumor Segmentation and Survival Prediction." <i>BrainLes@ MICCAI</i> (2). 2020. | 3 | Tran, Minh-Trieu, et al. "Prediction of Survival of Glioblastoma Patients Using Local Spatial Relationships and Global Structure Awareness in FLAIR MRI Brain Images." <i>IEEE Access</i> (2023). | IEEE Access 2023 | B | 4 | |

Performanță academică - perspectiva d)
TOTAL: 121.5

Cărți autor/editate și capitole

TOTAL: 13

| An | Editura | Categorie | Detalii carte | Nr autori | Carte / capitol | Punctaj |
|------|----------------|-----------|--|-----------|-----------------|---------|
| 2015 | Springer | B | Constantin Cranganu, Henri Luchian, Mihaela Breaban, "Artificial Intelligent Approaches in Petroleum Geosciences", Springer, May 2015 | 3 | carte | 8 |
| 2015 | Springer | B | Henri Luchian, Mihaela Breaban, Andrei Bautu, "On Meta-heuristics in Optimization and Data Analysis. Application to Geosciences", book chapter in "Artificial Intelligent Approaches in Petroleum Geosciences" | 3 | capitol | 4 |
| 2010 | Intech, Vienna | | M. Ionita, M. Breaban, C. Croitoru. Evolutionary Computation in Constraint Satisfaction, book chapter in "Evolutionary Computation", ed. Peter Korosec, INTECH Vienna, ISBN 978-953-307-053-7, 2010 | 3 | capitol | 1 |

Curs în format electronic
TOTAL: 8

| An | Denumire curs | | Link materiale curs în format electronic | | | Punctaj |
|--------------|--|--|--|--|--|---------|
| 2012-prezent | Baze de date | | www.info.uaic.ro/~bd | | | 2 |
| 2006-2007 | Algoritmi genetici (manual IDD) | | www.info.uaic.ro/~pmihaela/GA | | | 2 |
| 2014-prezent | Analiza bazelor mari de date/ Big Data Analytics | | www.info.uaic.ro/~pmihaela/BDA | | | 2 |
| 2021-prezent | Deep Learning with applications in NLP | | www.info.uaic.ro/~nlp | | | 2 |

Granturi
TOTAL: 20

| An start | Valoarea grantului (EUR) | Director / Membru | Detalii grant | | | Punctaj |
|----------|--------------------------|-------------------|--|--|--|---------|
| 2007 | 8000 | director | Director de proiect Clasificare: abordari evolutive, cod TD-198, contract 428/1.10.2007, perioada 2007-2009; | | | 2 |
| 2007 | 200000 | membru | Membru în proiectul Noi modele de calcul natural în studiul complexității și în rezolvarea problemelor complexe (NatComp), Nr. contract 11-028/14.09.2007, perioada 2007-2010, coordonator UAIC prof. dr. Henri Luchian. | | | 4 |
| 2017 | 10000 | director | FOReGAST - Sistem integrat de analiză și prognoză a consumului pentru distribuitorii IMM de gaze naturale (Creșterea competitivității economiei românești prin CDI. Subprogramul 2.1. Competitivitate prin cercetare, dezvoltare și inovare – Cecuri de inovare) | | | 2 |
| 2017 | 3000000 | membru | PrivateSky Programul Operațional Competitivitate (POC), Axa Prioritară 1 - Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.2.3: Parteneriate pentru transfer de cunoștințe | | | 4 |
| 2020 | 1007624 | membru | Research As A Service – Iasi (RaaS-IS) - Proiect de tip cloud și infrastructuri masive de date POC398/1/124759 | | | 4 |
| 2022 | 1212121 | membru | Suținerea competitivității în cercetare-dezvoltare și inovare prin dezvoltarea capacității instituționale a Universității "Alexandru Ioan Cuza" din Iași - UAIC-INOV-INP2, PDI-PFE | | | 4 |

Membru în comitetul științific al unei Conferințe (PC member)
TOTAL: 23

| An | Conferință | Categorie | Detalii | | | Punctaj |
|------|-------------------|-----------|---|--|--|---------|
| 2011 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2012 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2013 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2014 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2015 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2016 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2017 | SYNASC NCA | D | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 0.5 |
| 2018 | SYNASC NCA | D | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 0.5 |
| 2019 | SYNASC | C | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 1 |
| 2020 | SYNASC >=2020 | D | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 0.5 |
| 2021 | SYNASC >=2020 | D | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 0.5 |
| 2022 | SYNASC >=2020 | D | International Symposium on Symbolic and Numeric Algorithms for Scientific Computing | | | 0.5 |
| 2012 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2013 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2014 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2015 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2016 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2017 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2018 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2019 | MENDEL | D | International Conference on Soft Computing | | | 0.5 |
| 2014 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2015 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2016 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2017 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2018 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2019 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2020 | WCO-IMCSIT | C | Workshop on Computational Optimization | | | 1 |
| 2021 | WCO-IMCSIT >=2021 | B | Workshop on Computational Optimization | | | 2 |

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|------|--------|---|--|--|--|-----|
| 2015 | EVOLVE | D | | | | 0.5 |
|------|--------|---|--|--|--|-----|

Organizare evenimente științifice / școli de vară

TOTAL: 15

| An | Director / Membru | Detalii eveniment | | | Punctaj |
|------|-------------------|--|--|--|---------|
| 2007 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2008 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2009 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2010 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2011 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2012 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2013 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2014 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2015 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2016 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2015 | membru | EVOLVE | | | 1 |
| 2017 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2018 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2019 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |
| 2023 | membru | Scoala de vara internationala ECODAM (www.infoiasi.ro/~summerschool) | | | 1 |

Keynote / Invited speaker la evenimente / universități

TOTAL: 22

| An | Eveniment / Universitate / Conferință | Categorie | Detalii prezentare | | | Punctaj |
|------|---------------------------------------|-----------|---|--|--|---------|
| 2013 | Școală de vară internațională | B | ECODAM: http://profs.info.uaic.ro/~summerschool/2013/program.php | | | 4 |
| 2015 | Universitate Top 500 | C | University of Konstanz (rank 447) | | | 2 |
| 2015 | Eveniment local | D | UMF Iasi | | | 1 |
| 2016 | Eveniment local | D | UMF Iasi | | | 1 |
| 2010 | Eveniment local | D | UMF Iasi | | | 1 |
| 2020 | Eveniment local | D | UMF Iasi | | | 1 |
| 2017 | Școală de vară internațională | B | EUROLAN (http://eurolan.info.uaic.ro/2017/details.html#lecturers) | | | 4 |
| 2021 | Școală de vară internațională | B | BrainTwin (https://www.braintwin.eu/wp-content/uploads/2021/07/BrainTwin-1st-Summer-School-Agenda-final.pdf) | | | 4 |
| 2023 | Școală de vară internațională | B | Discovering the unknown: AI in healthcare (https://sites.google.com/unipw.it/winterschool2023/programme?authuser=0) | | | 4 |

Visiting Professor / Research associate

TOTAL: 8

| An start | Universitate | Categorie | Detalii | Nr. luni | | Punctaj |
|----------|-----------------------|-----------|---|----------|--|---------|
| 2008 | Universitate Top 200 | B | Seoul National University (clasificare: 155), septembrie 2008 | 1 | | 4 |
| 2013 | Universitate Top >500 | D | Goldsmith College, Univ of London | 0.5 | | 0.5 |
| 2012 | Universitate Top 500 | C | Universitatea Coimbra (clasificare 209), iulie 2012 | 1 | | 2 |
| 2010 | Universitate Top >500 | D | University of Massachusetts Boston (clasificare:772) | 1 | | 1 |
| 2017 | Universitate Top >500 | D | University of Massachusetts Boston (clasificare:614) | 0.5 | | 0.5 |

Membru în comisia de evaluare a unei teze de doctorat

TOTAL: 2.5

| An | Universitate | Categorie | Detalii teză | | | Punctaj |
|------|-----------------------|-----------|---|--|--|---------|
| 2022 | Universitate Top >500 | D | Drd. Kristian Miod, coordonator Prof. dr. Daniela Zaharie, UVT, Timisoara | | | 0.5 |
| 2022 | Universitate Top >500 | D | Drd. Camelia Andor, coordonator Prof. dr. Basil Parv, UBB, Cluj | | | 0.5 |
| 2018 | Universitate Top >500 | D | Drd. Raluca Necula, coordonator Prof. dr. Dorel Lucanu, UAIC, Iasi | | | 0.5 |
| 2019 | Universitate Top >500 | D | Drd. Danut Ovidiu Pop, coordonator prof. Horia Pop, INSA-ROUEN | | | 0.5 |
| 2015 | Universitate Top >500 | D | Drd. Vasile Silviu, coordonator Prof.dr.Ioan Tomescu, Universitatea Bucuresti | | | 0.5 |

Membru în comisia de îndrumare a doctoranzilor ce au finalizat

TOTAL: 10

| An sustinere teza | Detalii | | | | Punctaj |
|-------------------|------------------------|--|--|--|---------|
| 2013 | Cimpoeșu Mihai | | | | 1 |
| 2013 | Negru Stefan | | | | 1 |
| 2015 | Benchea Mihai Razvan | | | | 1 |
| 2016 | Croitoru Nicolae Eugen | | | | 1 |
| 2017 | Panu Andrei | | | | 1 |
| 2018 | Vatamanu Cristina | | | | 1 |

| | | | | | | |
|------|-------------------|--|--|--|--|---|
| 2018 | Necula Raluca | | | | | 1 |
| 2022 | Apoki Ufuoma | | | | | 1 |
| 2022 | Sebastian Ciobanu | | | | | 1 |
| 2023 | Petru Rebeja | | | | | 1 |