

# **Departamentul de Calculatoare si Tehnologia Informatiei**

## **Facultatea de Automatica, Calculatoare si Electronica**

### **Universitatea din Craiova**

## **Anexa la Raportul anual 2017**

### **A. Cărți și capitole de carte**

1. E. Popescu, Dynamic adaptive hypermedia systems for e-learning, Sitech Press, Craiova, ISBN: 978-606-11-6085-3, 2017
2. Paulo Novais, David Camacho, Cesar Analide, Amal El Fallah-Seghrouchni, Costin Badica: Intelligent Distributed Computing IX - Proceedings of the 9th International Symposium on Intelligent Distributed Computing - IDC'2015, Guimaraes, Portugal, October 2015. Studies in Computational Intelligence 616, Springer
3. D. Popescu, D. Sendrescu, M. Roman, E. Popescu, L.Barbulescu (Eds.), Proceedings of the 18th International Carpathian Control Conference (ICCC 2017), ISBN: 978-1-5090-4862-5, 2017
4. Mihaescu, M. C. (2017). Machine Learning Data Analysis for On-Line Education Environments. Applied Computational Intelligence and Soft Computing in Engineering, 277.
5. H. Xie, E. Popescu, G. Hancke, B. Fernández Manjón (Eds.), Advances in Web-Based Learning – ICWL 2017, Lecture Notes in Computer Science, Vol. 10473, Springer, ISBN: 978-3-319-66732-4, 2017
6. Liana Stanescu, Marius Brezovan, Dumitru Burdescu, AN ALGORITHM FOR MAPPING THE RELATIONAL DATABASES TO MONGODB – A CASE STUDY International Journal of Computer Science and Applications, Vol. 14, No. 1, pp. 65 – 79, 2017
7. Marius Brezovan, Costin Badica, Using the Event-B Formal Method and the Rodin Framework for Verification the Knowledge Base of an Rule-Based Expert System, In: Nalepa G., Baumeister J. (eds) Synergies Between Knowledge Engineering and Software Engineering. Advances in Intelligent Systems and Computing, vol 26. Springer, Cham, pp 107-127, Springer, 2017

### **B. Articole în jurnale ISI**

1. J. Bernard, T.W. Chang, E. Popescu, S. Graf, Learning style identifier: Improving the precision of learning style identification through computational intelligence algorithms, Expert

Systems with Applications, Elsevier, ISSN: 0957-4174, vol. 75, pp. 94–108, 2017. [WOS:000395224400007, IF: 3.928]

2. M.C. Mihaescu, P.S. Popescu, E. Popescu, Data analysis on social media traces for detection of "spam" and "don't care" learners, *Journal of Supercomputing*, Springer, ISSN: 0920-8542, vol. 73 (10), pp. 4302–4323, 2017. [WOS:000410924300005, IF: 1.326]

3. Florin Leon, Costin Bădică, An Optimization Web Service for a Freight Brokering System, *Service Science*, 9 (4): 324-337 *INFORMS* (2017), DOI: <http://dx.doi.org/10.1287/serv.2017.0191> [WOS:000423940800008, IF =1.15]

4. Amelia Bădică, Costin Bădică, Formal framework for distributed swarm computing: abstract model and properties. *Soft Computing* 21 (17): 4925-4938 Springer (2017). DOI: <http://dx.doi.org/10.1007/s00500-016-2381-x> [WOS:000408231900008, IF = 2.42]

### **C. Articole in jurnale BDI**

1. Mihaescu, M. C., Popescu, P. S., Ionascu, C. M. (2017). Questionnaire Analysis for Improvement of Student's Interaction in Tesys e-Learning Platform. *Romanian Journal of Human-Computer Interaction*, 10(1), 61-74.

2. Ionascu, C. M., Mihăescu, M. C., Popescu, P. ?. (2017). A conceptual model for designing an e-learning platform dynamically adapting to users' behavior. *Romanian Journal of Human-Computer Interaction*, 10(2), 199-212.

3. I.D. Nicolae, P.M. Nicolae, I.D. Smărandescu, Diminishing the Computational Burden when Analyzing Electrical Signals with Long Wavelet Filters, *Annals of the University of Craiova, Electrical Engineering series*, No. 41, 2017, pp. 34-39, No. 41, 2017.

4. I.D. Nicolae, R.F. Marinescu, D.C. Marinescu, P.M. Nicolae, Analyzing Signals from a Primary Winding of a Locomotive Transformer with Three Types of Wavelet-Based Transforms, *Annals of the University of Craiova, Electrical Engineering series*, No. 41, 2017, pp. 98-106, No. 41, 2017

### **D. Articole în conferințe ISI - 0**

### **E. Articole în conferințe BDI**

1. Mihaela Colhon, Costin Badica. Reviewers Classification in an Online Community of Romanian Tourists. In: Joint Proceedings of the 1st Workshop on Temporal Dynamics in Digital Libraries (TDDL 2017), the (Meta)-Data Quality Workshop (MDQual 2017) and the Workshop on Modeling Societal Future (Futurity 2017) co-located with 21st International Conference on Theory and Practice of Digital Libraries (TPLD 2017), TDDL/MDQual/Futurity@TPDL 2017. CEUR Workshop Proceedings, Vol. 2038, URL: <http://ceur-ws.org/Vol-2038/paper8.pdf>

2. Amelia Badica, Costin Badica, Florin Leon, and Ion Buligiu, Modeling and Optimization of Pickup and Delivery Problem Using Constraint Logic Programming. In: I. Lirkov and S. Margenov (Eds.): 11th International Conference on Large-Scale Scientific Computing - LSSC 2017, LNCS 10665, 1–9, Springer 2018 doi: [https://doi.org/10.1007/978-3-319-73441-5\\_34](https://doi.org/10.1007/978-3-319-73441-5_34)
3. Gia Thuan Lam, Viet Anh Ho, Doina Logofatu, Costin Badica, Considerations on using genetic algorithms for the 2D bin packing problem: A general model and detected difficulties. In: Marius Kloetzer and Lavinia Ferariu (Eds.), Proc. 21st International Conference on System Theory, Control and Computing (ICSTCC'2017), 303-308, ISBN 978-1-5386-3842-2/17/, IEEE 2017 doi: 1 <http://dx.doi.org/0.1109/ICSTCC.2017.8107051> URL: <http://ieeexplore.ieee.org/document/8107051/>
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5. Lars Braubach, Costin Badica, Special Issue on: New Challenges in Bio-Inspired Algorithms in Complex and Distributed Problems. International Journal of Bio-Inspired Computation 10(2), 67-68, Inderscience 2017. URL: <http://www.inderscience.com/editorials/f154276108121193.pdf>
6. Sylwia Nowak, Maria Ganzha, Marcin Paprzycki, Costin Badica, Mirjana Ivanovic, Sabin Simionescu. Agent-based system for highway gasoline price negotiations. Proceedings of the 8th Balkan Conference in Informatics BCI 2017: 24:1-24:8, ACM (2017) doi: <https://doi.org/10.1145/3136273.3136296>
7. Amelia Badica, Costin Badica, Florin Leon, Daniela Danciulescu. Optimization of Freight Transportation Brokerage Using Agents and Constraints. Proc. International Conference on Engineering Applications of Neural Networks, EANN 2017. Communications in Computer and Information Science 744, 451-464, Springer (2017) doi: [https://doi.org/10.1007/978-3-319-65172-9\\_38](https://doi.org/10.1007/978-3-319-65172-9_38)
8. Amelia Badica, Costin Badica, Florin Leon, Lucian Luncean. Declarative Representation and Solution of Vehicle Routing with Pickup and Delivery Problem. Proc. International Conference on Computational Science, ICCS 2017, Procedia Computer Science 108, 958-967. Elsevier (2017) doi: <https://doi.org/10.1016/j.procs.2017.05.261>
9. Florin Leon, Andrei-Stefan Lupu, Costin Badica. Multiagent Coalition Structure Optimization by Quantum Annealing. In: Nguyen N., Papadopoulos G., Jędrzejowicz P., Trawiński B., Vossen G. (eds.): Computational Collective Intelligence, ICCCI (1) 2017, Lecture Notes in Computer Science, 10448, 331-341, Springer (2017) doi: [https://doi.org/10.1007/978-3-319-67074-4\\_32](https://doi.org/10.1007/978-3-319-67074-4_32)

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11. Florin Leon, Sabina-Adriana Floria, Costin Badica: Evaluating the effect of voting methods on ensemble-based classification. In Piotr Jędrzejowicz, Tulay Yildirim, and Ireneusz Czarnowski (eds.): IEEE International Conference on INnovations in Intelligent Systems and Applications, INISTA 2017: 1-6, doi: <https://doi.org/10.1109/INISTA.2017.8001122>
12. Mirjana Ivanovic, Amelia Badica, Maria Ganzha, Costin Badica, Marcin Paprzycki: Improvement of Requirements Engineering Course - Medical Software Case Study. In: Proceedings of the Sixth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2017. CEUR Workshop Proceedings, Vol. 1938, URL: <http://ceur-ws.org/Vol-1938/paper-iva.pdf>
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17. C. Cerbulescu, Proposed Architecture to manage critical real time data in IoT applications, BCI 2017
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22. I.D. Nicolae, P.M. Nicolae, I.D. Smarandescu, R.C. Presurã, Improving the Efficiency of PQ Analysis Concerning Quasistationary Waveforms through Special Computational Techniques, Proceed. of MPS 2017 Cluj-Napoca, INSPEC Accession Number: 17028429, DOI: 10.1109/MPS.2017.7974412, <http://ieeexplore.ieee.org/document/7974412/>, electronic ISBN 978-1-5090-6565-3
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