

Publication list

ONEȚ-MARIAN ZSUZSANNA – EDIT Ph.D.

○ Publications in Web of Science - 18

● Publications in Science Citation Index Expanded - 6 Cumulative IF of ISI publications: 18.047

1. Gabriela Czibula, **Zsuzsanna Marian**, Istvan Gergely Czibula, *Software Defect Prediction using Relational Association Rule Mining*, Information Sciences, Vol. 264, April 2014, pp. 260-278 – (ISI IF - 5.524 **RED ZONE**)
2. Gabriela Czibula, Istvan-Gergely Czibula, **Zsuzsanna Marian**, *An effective approach for determining the class integration test order using reinforcement learning*, Applied Soft Computing, 65C, pp. 517-530, 2018 (ISI IF – 4.873 **RED ZONE**)
3. Istvan Gergely Czibula, Gabriela Czibula, Diana-Lucia Miholca, **Zsuzsanna Oneț-Marian**, *An aggregated coupling measure for the analysis of object-oriented software systems*, Journal of Systems and Software, Vol. 148, pp. 1-20, 2019 (ISI IF – 2.559 **RED ZONE**)
4. 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 (ISI IF – 2.397 **YELLOW ZONE**)
5. Istvan Gergely Czibula, Gabriela Czibula, **Zsuzsanna Marian**, Vlad-Sebastian Ionescu, *A Novel Approach Using Fuzzy Self-Organizing Maps for Detecting Software Faults*, Studies in Informatics and Control, vol. 25 (2), pp.207-216, 2016 (ISI IF – 1.347 **GREY ZONE**)
6. **Zsuzsanna Marian**, Gabriela Czibula, Istvan Gergely Czibula, *Using Software Metrics for Automatic Software Design Improvement*, Studies in Informatics and Control, vol. 21 (3), pp. 249-258, 2012 (ISI IF – 1.347 **GREY ZONE**)

● Publications in Conference Proceedings Citation Index – 12

1. Istvan Gergely Czibula, **Zsuzsanna Onet-Marian**, Robert-Francisc Vida, *Automatic Algorithmic Complexity Determination Using Dynamic Program Analysis*, 14th International Conference on Software Technologies, To be published, 2019 (**RANK B conference**)
2. Vlad-Sebastian Ionescu, **Zsuzsanna Onet-Marian**, Marin-Georgian Badita, Gabriela Czibula, Mihai-Ioan Popescu, Jilles S. Dibangoye, Olivier Simonin, *DynFloR: A flow approach for data delivery optimization in Multi-Robot Network Patrolling*, 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, To be published, 2019 (**RANK B conference**)
3. Istvan Gergely Czibula, Gabriela Czibula, **Zsuzsanna Marian**, *An improved approach for class test ordering optimization using genetic algorithms*, ICSOFT 2017, , Proceedings of the

- 12th International Conference on Software Technologies, pp. 27-37, 2017. (**RANK B conference**)
4. **Zsuzsanna Marian**, Gabriela Czibula, Istvan Gergely Czibula, *Software packages refactoring using a hierarchical clustering-based approach*, 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, pp. 239-246, 2017 (**RANK C conference**)
 5. Diana-Lucia Miholca, Gabriela Czibula, **Zsuzsanna Marian**, Istvan Gergely Czibula, *An unsupervised learning based conceptual coupling measure*, 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing pp. 247-254, 2017 (**RANK C conference**)
 6. Istvan Gergely Czibula, Gabriela Czibula, **Zsuzsanna Marian**, *Identifying Class Integration Test Order Using an Improved Genetic Algorithm-Based Approach*, In: Cabello E., Cardoso J., Maciaszek L., van Sinderen M. (eds) Software Technologies. ICSoft 2017, Communications in Computer and Information Science, Vol. 868, pp. 163-187, Springer, 2017, (**indexed Scopus**)
 7. **Zsuzsanna Marian**, Ioan-Gabriel Mircea, Istvan-Gergely Czibula and Gabriela Czibula, *A novel approach for software defect prediction using fuzzy decision trees*, Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'16), Timisoara, Romania, IEEE Computer Society Press, pp. 240-247, 2016 (**RANK C conference**)
 8. **Zsuzsanna Marian**, Christian Săcărea, Using contextual topology to discover similarities in modern music. *Proceedings of the IEEE International Conference on Automation Quality and Testing Robotics*, Cluj-Napoca, România, Vol. 3, pp. 1-6, 2010
 9. Doina Tatar, Mihaiela Lupea, **Zsuzsanna Marian**, *Text Summarization by Formal Concept Analysis Approach*, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques (KEPT), pp. 37-48, 2011
 10. **Zsuzsanna Marian**, Cosmin Coman and Attila Bartha. *Learning to play the guessing game*. Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques (KEPT), pp. 211-222, 2011
 11. Radu Turcas, Oana Iova, **Zsuzsanna Marian**, *The autonomous robotic tank (ART): an innovative lego mindstorm NXT battle vehicle*, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques (KEPT), pp. 127- 134, 2009
 12. Adrian Sterca, **Zsuzsanna Marian**, Alexandru Vancea, *Distortion-based media-friendly congestion control*, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques (KEPT), pp. 315-319, 2009
- **Publications in proceedings of indexed international conferences - 2**
1. **Zsuzsanna Marian**. *Aggregated metrics guided software restructuring*. Proceedings of 8th IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pp. 259-266, 2012 (**RANK C conference**)
 2. **Zsuzsanna Marian**, Christian Săcărea: Using conceptual graphs to represent modern music, *Proceedings of the 2011 IEEE International Conference on Intelligent Computer Communication and Processing*, pp.137-140, 2011

○ Publications in indexed international journals – 10

1. Istvan Gergely Czibula, Gabriela Czibula, Diana Lucia Miholca, **Zsuzsanna Marian**, *Identifying hidden dependencies in software systems*, *Studia Universitatis „Babes-Bolyai”, Informatica*, LXII(1), pp. 90-106, 2017 (**indexed MatSciNet**)
2. **Zsuzsanna Marian**, Istvan Gergely Czibula, Ioan-Gabriel Mircea, Vlad-Sebastian Ionescu, *A study on software defect prediction using fuzzy decision trees*, *Studia Universitatis ”Babes-Bolyai”, Informatica*, LXI(2), pp. 5-20, 2016 (**indexed MatSciNet**)
3. **Zsuzsanna Marian**, Istvan Gergely Czibula, Gabriela Czibula and Sergiu Sotoc, *Software Defect Detection using Self-Organizing Maps*, *Studia Universitatis ”Babes-Bolyai”, Informatica*, LX(2), pp. 55-69, 2015 (**indexed MatSciNet**)
4. **Zsuzsanna Marian**. *On evaluating the structure of software packages*. *Studia Universitatis “Babes-Bolyai”, Informatica, Romania, Vol. LIX, Number 1*, pp. 46-58, 2014. (**indexed MatSciNet**)
5. **Zsuzsanna Marian**, Gabriela Czibula, Istvan-Gergely Czibula, *FAOS – A framework for analysing object oriented software systems*, *Studia Universitatis "Babes-Bolyai", Informatica*, LIX(2), pp.66-81, 2014 (**indexed MatSciNet**)
6. **Zsuzsanna Marian**. *On the software metrics influence in Relational Association Rule-based Software Defect Prediction*. *Studia Universitatis “Babes-Bolyai”, Informatica, Romania, Vol. LVIII, Number 4*, pp. 35-48, 2013 (**indexed MatSciNet**)
7. **Zsuzsanna Marian**. *A study on Relational Association Rule Mining Based Software Design Defect Detection*. *Studia Universitatis “Babes-Bolyai”, Informatica, Romania, Vol. LVIII, Number 1*, pp. 42-57, 2013 (**indexed MatSciNet**)
8. **Zsuzsanna Marian**. *A study on hierarchical clustering based software restructuring*. *Studia Universitatis “Babes-Bolyai”, Informatica, Vol. LVII, Number 2*, pp. 20-31, 2012 (**indexed MatSciNet**)
9. **Zsuzsanna Marian**, Christian Săcărea, *Discovering patterns in music. An FCA grounded approach*. *Studia Universitatis “Babes-Bolyai”, Informatica, Vol. LV, Number 1*, pp. 69-82, 2010 (**indexed MatSciNet**)
10. Liviu Ştirb, **Zsuzsanna Marian**, Mihai Oltean: *An autonomous approach for the wheel changing problem*, *Studia Universitatis „Babes-Bolyai”, Informatica, Vol. LV, Nr. 1*, pp. 41-50, 2010 (**indexed MatSciNet**)