

Lista de publicații

Diana Cristea

a) Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de prezentul articol

1. S. Dragoș, D. Haliță, C. Săcărea, and **D. Troancă**. Applying Triadic FCA in Studying Web Usage Behaviors. In R. Buchmann, C. V. Kifor, and J. Yu, editors, Proc. of the 7th International Conference on Knowledge Science, Engineering and Management, KSEM 2014, Sibiu, Romania, vol. 8793 of LNCS, pp. 73-80. Springer, 2014.
2. S. Rudolph, C. Săcărea, and **D. Troancă**. Membership Constraints in Formal Concept Analysis. In Q. Yang and M. Wooldridge, editors, Proc. of the 24th International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, pp. 3186-3192. AAAI Press, 2015.
3. S. Rudolph, C. Săcărea, and **D. Troancă**. Towards a Navigation Paradigm for Triadic Concepts. In J. Baixeries, C. Săcărea, and M. Ojeda-Aciego, editors, Proc. of the 13th International Conference on Formal Concept Analysis, ICFA 2015, Nerja, Spania, vol. 9113 of LNCS, pp 232-248. Springer, 2015.
4. S. Dragoș, D. Haliță, and **D. Troancă**. Investigating Trend-setters in E-learning Systems using Polyadic Formal Concept Analysis and Answer Set Programming. In E. Mercier-Laurent, G. Kayakutlu, M. L. Owoc, editors, Proc. of the 4th International Workshop on Artificial Intelligence for Knowledge Management, AI4KM, co-located with IJCAI 2016, New York, USA, pp.42-28, 2016
5. **D. Troancă**. A Reachability-based Navigation Paradigm for Triadic Concepts. In S. O. Kuznetsov, A. Napoli, and S. Rudolph, editors, Proc. of the 4th International Workshop FCA4AI "What can FCA do for Artificial Intelligence", FCA4AI 2016, co-located with ECAI 2016, the Hague, the Netherlands, pp. 35-42. CEUR-WS.org, 2016.
6. L. L. Kis, C. Săcărea **D. Troancă**. FCA Tools Bundle - a Tool that Enables Dyadic and Triadic Conceptual Navigation. In S. O. Kuznetsov, A. Napoli, and S. Rudolph, editors, Proc. of the 4th International Workshop FCA4AI "What can FCA do for Artificial Intelligence", FCA4AI 2016, the Hague, the Netherlands, co-located with ECAI 2016, pp. 42-50. CEUR-WS.org, 2016.

7. C. Săcărea, D. Şotropa, **D. Troancă**. Using analogical complexes to improve human reasoning and decision making in Electronic Health Record Systems, Proc. of the 23rd International Conference on Conceptual Structures, LNCS, vol 10872, pp. 9-23, Springer, 2018
8. **D. Cristea**, C. Săcărea, D. Şotropa. Knowledge Discovery and Visualization in Healthcare Datasets using Formal Concept Analysis and Graph Databases, Proc. Of the 5th International Workshop on Knowledge Discovery in Healthcare Data 2020, co-located with ECAI 2020, CEUR Workshop Proceedings 2675, pp. 35-42, 2020
9. **D. Cristea**, D. Şotropa, A.-J. Molnar, S. Motogna. On the Use of FCA Models in Static Analysis Tools to Detect Common Errors in Programming, Proc. Of the 26th International Conference on Conceptual Structures, LNCS, volume 12879, pp. 3-18, Springer, 2021
10. S. Motogna, **D. Cristea**, D. Sotropa, A.-J. Molnar. Formal Concept Analysis Model for Static Code Analysis. Carpathian Journal of Mathematics 38/2022 no. 1, pp. 159-168, 2022

b) teza de doctorat

Diana Cristea (Troancă), *Conceptual Visualization and Navigation Methods for Polyadic Formal Concept Analysis*

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Prof. Dr. rer. nat. Sebastian Rudolph, TU Dresden, Germany

c) Brevete de invenție și alte titluri de proprietate industrială - nu e cazul

d) Cărți și capitole în cărți

1. Conceptual Visualization and Navigation Methods for Polyadic Formal Concept Analysis, Diana Troancă, Editura Napoca Star, ISBN: 978-606-690-659-3, 2017

e) Articole/studii, publicate în reviste din fluxul științific internațional principal

1. S. Dragoş, D. Haliță, C. Săcărea, and **D. Troancă**. An FCA Grounded Study of User Dynamics through Log Exploration. Studia Universitatis Babeş-Bolyai Series Informatica, LIX(2):82-97, 2014.
2. S. Motogna, **D. Cristea**, D. Sotropa, A.-J. Molnar. Formal Concept Analysis Model for Static Code Analysis. Carpathian Journal of Mathematics 38/2022 no. 1, pp. 159-168, 2022

f) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. F. M. Boian, **D. Troancă**. Xrdl: A Valid Description Language for XML-RPC. In Proc. of the International Conference on Knowledge Engineering, Principles and Techniques, KEPT 2013, Studia Universitatis Babeș-Bolyai 3/2013, pp. 90-104, Cluj-Napoca, Romania
2. S. Dragoș, D. Haliță, C. Săcărea, and **D. Troancă**. Applying Triadic FCA in Studying Web Usage Behaviors. In R. Buchmann, C. V. Kifor, and J. Yu, editors, Proc. of the 7th International Conference on Knowledge Science, Engineering and Management, KSEM 2014, Sibiu, Romania, vol. 8793 of LNCS, pp. 73-80. Springer, 2014.
3. S. Rudolph, C. Săcărea, and **D. Troancă**. Membership Constraints in Formal Concept Analysis. In Q. Yang and M. Wooldridge, editors, Proc. of the 24th International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, pp. 3186-3192. AAAI Press, 2015.
4. S. Rudolph, C. Săcărea, and **D. Troancă**. Reduction in Triadic Data Sets. In S. O. Kuznetsov, A. Napoli, and S. Rudolph, editors, Proc. of the 4th International Workshop "What can FCA do for Artificial Intelligence", FCA4AI 2015, co-located with IJCAI 2015, Buenos Aires, Argentina, vol. 1430 of CEUR Workshop Proceedings, pp. 55-62. CEUR-WS.org, 2015
5. S. Rudolph, C. Săcărea, and **D. Troancă**. Towards a Navigation Paradigm for Triadic Concepts. In J. Baixeries, C. Săcărea, and M. Ojeda-Aciego, editors, Proc. of the 13th International Conference on Formal Concept Analysis, ICFCA 2015, Nerja, Spain, vol. 9113 of LNCS, pp 232-248. Springer, 2015.
6. S. Rudolph, C. Săcărea, and **D. Troancă**. Conceptual Navigation for Polyadic Formal Concept Analysis. In E. Mercier-Laurent, G. Kayakutlu, M. L. Owoc, editors, Proc. of the 4th International Workshop on Artificial Intelligence for Knowledge Management, AI4KM, co-located with IJCAI 2016, New York, USA, pp. 35-41, 2016
7. S. Dragoș, D. Haliță, and **D. Troancă**. Investigating Trend-setters in E-learning Systems using Polyadic Formal Concept Analysis and Answer Set Programming. In E. Mercier-Laurent, G. Kayakutlu, M. L. Owoc, editors, Proc. of the 4th International Workshop on Artificial Intelligence for Knowledge Management, AI4KM, co-located with IJCAI 2016, New York, USA, pp.42-48, 2016
8. **D. Troancă**. A Reachability-based Navigation Paradigm for Triadic Concepts. In S. O. Kuznetsov, A. Napoli, and S. Rudolph, editors, Proc. of the 4th International Workshop FCA4AI "What can FCA do for Artificial Intelligence", FCA4AI 2016, co-located with ECAI 2016, the Hague, the Netherlands, pp. 35-42. CEUR-WS.org, 2016.

9. L. L. Kis, C. Săcărea **D. Troancă**. FCA Tools Bundle - a Tool that Enables Dyadic and Triadic Conceptual Navigation. In S. O. Kuznetsov, A. Napoli, and S. Rudolph, editors, Proc. of the 4th International Workshop FCA4AI "What can FCA do for Artificial Intelligence", FCA4AI 2016, the Hague, the Netherlands, co-located with ECAI 2016, pp. 42-50. CEUR-WS.org, 2016.
10. L. L. Kis, C. Săcărea **D. Troancă**. Navigation and Exploration Tool for Polyadic FCA. Supplementary Proc. of the 14th International Conference on Formal Concept Analysis, ICFCA 2017, Rennes, France, pp. 83-86, 2017
11. C. Săcărea, D. Şotropa, **D. Troancă**. Symptoms investigation by means of Formal Concept Analysis for enhancing medical diagnoses, Proc. of the The 25th International Conference on Software, Telecommunications and Computer Networks, IEEE, pp. 1-5, 2017
12. C. Săcărea, D. Şotropa, **D. Troancă**. Using analogical complexes to improve human reasoning and decision making in Electronic Health Record Systems, Proc. of the 23rd International Conference on Conceptual Structures, LNCS, vol 10872, pp. 9-23, Springer, 2018
13. C. Săcărea, D. Şotropa, **D. Troancă**. Formal Concept Analysis Grounded Knowledge Discovery in Electronic Health Record Systems, Proc. of the 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, IEEE 2018, ISBN 978-1-7281-0625-0, pp. 266-271, 2018
14. **D. Cristea**, C. Săcărea, D. Şotropa. FCA Tools Bundle, Supplementary Proceedings ICFCA 2019 Conference and Workshops, Workshop Applications and Tools of Formal Concept Analysis @ ICFCA 2019, pp. 50-54, 2019
15. **D. Cristea**, C. Săcărea, D. Şotropa. Knowledge Discovery and Visualization in Healthcare Datasets using Formal Concept Analysis and Graph Databases, Proc. Of the 5th International Workshop on Knowledge Discovery in Healthcare Data 2020, co-located with ECAI 2020, CEUR Workshop Proceedings 2675, pp. 35-42, 2020
16. **D. Cristea**, D. Şotropa, A.-J. Molnar, S. Motogna. On the Use of FCA Models in Static Analysis Tools to Detect Common Errors in Programming, Proc. Of the 26th International Conference on Conceptual Structures, LNCS, volume 12879, pp. 3-18, Springer, 2021

g) Alte lucrări și contribuții științifice

Editor proceedings

1. Eds. Diana Cristea, Florence Le Ber, Baris Sertkaya: Formal Concept Analysis - 15th International Conference, ICFCA 2019, Frankfurt, Germany, June 25-28, 2019, Proceedings. Lecture Notes in Computer Science 11511, Springer 2019, ISBN 978-3-030-21461-6

2. Eds. Diana Cristea, Florence Le Ber, Rokia Missaoui, Léonard Kwuida, Baris Sertkaya: Supplementary Proceedings of ICFCA 2019 Conference and Workshops, Frankfurt, Germany, June 25-28, 2019. CEUR Workshop Proceedings 2378, CEUR-WS.org 2019
3. Eds. Tanya Braun, Diana Cristea, Robert Jäschke, Graph-Based Representation and Reasoning, 27th International Conference on Conceptual Structures, ICCS 2022, Münster, Germany, September 12–15, 2022, Proceedings, Lecture Notes in Computer Science volume 13403, ISBN: 978-3-031-16663-1