

LISTA DE LUCRĂRI

GYÖRÖDI ROBERT ȘTEFAN

➤ **Teza de doctorat**

- ***Contribuții la selectarea caracteristicilor în procesul de recunoaștere și interpretare a imaginilor***, Universitatea Politehnica din Timișoara, Facultatea de Automatică și Calculatoare, 2001.

➤ **Cărți de specialitate publicate în edituri recunoscute naționale**

1. **Györödi Robert**, Costea Mirabela, Pecherle George, “Sisteme de Operare. Concepte și probleme practice”, Editura Universității din Oradea, 2021, ISBN: 978-606-10-2150-5, nr. pag. 208.
2. Györödi Cornelia, **Györödi Robert**, Pecherle George, “*Programarea în limbajul C. Teorie și Aplicații*”, Editura Universității din Oradea, 2015, ISBN 978-606-10-1522-1, nr. pag 250.
3. Györödi Cornelia, **Györödi Robert**, “*Sisteme Expert. Teorie și Aplicații în limbajul Visual Prolog*”, Editura Universității din Oradea, 2015, ISBN 978-606-10-1521-4, nr. pag 171.
4. **Györödi Robert**, Lungu Ion, Györödi Cornelia, “*Sisteme avansate de descoperire a cunoștințelor din bazele de date*”, Editura Universității din Oradea, 2012, ISBN 978-606-10-0733-2, nr. pag 371.
5. **Györödi Robert**, Mogyoroși Stefan, “*Sisteme de Operare. Aplicații practice*”, Editura Universității din Oradea, 2008, ISBN 978-973-759-624-6, nr. pag 198.
6. Györödi Cornelia, **Györödi Robert**, Pecherle George, “*Baze de date relaționale. Teorie și aplicații în Visual FoxPro*”, Editura Mediamira, 2008, ISBN 978-973-713-211-6, nr. pag 221.
7. **Györödi Robert**, Györödi Cornelia, “*Recunoașterea formelor și Descoperirea cunoștințelor*”, Editura Mediamira, 2005, ISBN 973-713-088-X, nr. pag. 249.
8. Bogan-Marta Alina, **Györödi Robert**, Györödi Cornelia, “*Teorie și aplicații practice în limbajul Prolog*”, Editura Universității din Oradea, 2003, nr. pag. 125, ISBN 973-613-373.
9. Györödi Cornelia, Alina Bogan-Marta, **Györödi Robert**, “*Sisteme expert – Teorie și aplicații în limbajul Prolog*”, Editura Universității din Oradea, 2002, ISBN 973-613-082-7, nr. pag. 132.
10. Györödi Cornelia, **Györödi Robert**, “*Baze de date relaționale – Concepte avansate*”, Editura TREIRA, Oradea 2000, ISBN 973-8159-22-9, nr. pag 284.
11. **Robert Györödi** - “*Sisteme de operare – Teorie și Aplicații*”, Editura Universității din Oradea, 2000, ISBN 973-8083-22-2, nr. pag 415.

➤ **Capitole de cărți de specialitate publicate în edituri internaționale**

1. Cornelia Györödi, **Robert Györödi**, Pecherle, G., Lorand, T., & Alin, R. *Web 2.0 Technologies with jQuery and Ajax*. In J. L. Antonakos (Ed.), *Computer Technology and Computer Programming: New Research and Strategies* (pp. 99-110), CRC Press, 2016/4/15, ISBN: 978-1-4665-6259-2.

➤ **Material didactic / Lucrări didactice publicate la edituri cu ISBN**

1. Bogan-Marta Alina, **Györödi Robert**, Györödi Cornelia, “*Teorie si aplicații practice în limbajul Prolog*”, Editura Universității din Oradea, 2003, ISBN 973-613-373-7, nr. pag. 125.

➤ **Articole in reviste cotate ISI cu factor de impact**

- A.1. Ivan, Sergiu C., **Robert Ș. Györödi**, and Cornelia A. Györödi. 2024. "Sentiment Analysis Using Amazon Web Services and Microsoft Azure" *Big Data and Cognitive Computing* 8, no. 12: 166. <https://doi.org/10.3390/bdcc8120166> (Impact factor 4.4, Q1) WOS:001386829400001.
- A.2. Cornelia Györödi, Tudor Turtureanu, **Robert S Györödi**, Doina R. Zmaranda, "Implementing a Synchronization Method between a Relational and a Non-Relational Database", *Big Data and Cognitive Computing* 7, no 3:153, 2023, WOS:001072544400001 (Impact factor 4.4, Q1).
- A.3. Cornelia Györödi, Diana V. Dumșe-Burescu, Doina R. Zmaranda, and **Robert Ș. Györödi**. 2022. "A Comparative Study of MongoDB and Document-Based MySQL for Big Data Application Data Management", *Big Data and Cognitive Computing* 6, no. 2: 49, WOS:000818419400001, (Impact factor 4.4, Q1).
- A.4. Doina R. Zmaranda, Cristian I. Moisi, Cornelia Györödi, **Robert Ș. Györödi**, Livia Bandici, "An Analysis of the Performance and Configuration Features of MySQL Document Store and Elasticsearch as an Alternative Backend in a Data Replication Solution." *Applied Sciences* 11, no. 24: 11590, 2021, Special Issue “Big Data: Advanced Methods, Interdisciplinary Study and Applications”, WOS:000735469100001, (Impact factor 2.838, Q2).
- A.5. Cornelia Györödi, Diana V. Dumșe-Burescu, **Robert Ș. Györödi**, Doina R. Zmaranda, Livia Bandici, and Daniela E. Popescu 2021. "Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases" *Applied Sciences* 11, no. 15: 6794. Special Issue "Big Data: Advanced Methods, Interdisciplinary Study and Applications", WOS:000681800600001, (Impact factor 2.838, Q2).
- A.6. Cornelia Györödi, Diana V. Dumșe-Burescu, Doina R. Zmaranda, **Robert Ș. Györödi**, Gianina A. Gabor, George D. Pecherle, “Performance Analysis of NoSQL and Relational Databases with CouchDB and MySQL for Application's Data Storage”, *APPLIED SCIENCES-BASEL*, eISSN: 2076-3417, Volume: 10, Issue: 23, Article Number: 8524, WOS:000597744500001, 2020, (Impact factor 2.679, Q2)
- A.7. Doina Zmaranda, Lucian-Laurentiu Pop-Fele, Cornelia Gyorodi, **Robert Gyorodi**, George Pecherle , “Performance Comparison of CRUD Methods using NET Object Relational Mappers: A Case Study”, *International Journal of Advanced Computer*

Science and Applications, Volume: 11 Issue: 1, 2020, Pages: 55-65, JAN 2020, ISSN: 2158-107X, WOS:000518467600007, (Impact factor 0.9, Q3).

- A.8. **Robert Györödi**, Marius Iulian Pavel, Cornelia Györödi, Doina Zmaranda, “Performance of OnPrem vs. Azure SQL Server. A case study”, *IEEE Access Journal*, USA, Volume: 7, Issue:1, 2019, pag. 15894-15902, Print ISSN: 2169-3536, Online ISSN: 2169-3536, ISI Journal in Q1, WOS:000458870700000, (Impact factor 4.098, Q1 in 2019).
- A.9. Anca-Raluca Breje, **Robert Györödi**, Cornelia Györödi, Doina Zmaranda, George Pecherle, “Comparative Study of Data Sending Methods for XML and JSON Models”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 9 Issue 12, 2018, pag. 198-204, ISSN: 2158-107X(Print), ISSN : 2156-5570 (Online), ISI Journal, WOS:000456778600029, (Impact factor 0.9, Q3).
- A.10. **Robert Györödi**, Doina Zmaranda, Vlad Georgian Adrian, Cornelia Györödi, “A Comparative Study between Applications Developed for Android and iOS”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 8 Issue 11, 2017, pag. 176-182, ISSN: 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000417985900023, (Impact factor 0.9, Q3).
- A.11. Teodora Husar, Cornelia Györödi, **Robert Györödi**, Sorin Sarca, “A Novel Representation and Searching Algorithm for Opening Hours”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 8 Issue 4, 2017, pag. 98-102, ISSN : 2158-107X(Print), ISSN : 2156-5570, WOS:000403339400014, (Impact factor 0.9, Q3).
- A.12. Cornelia Györödi, **Robert Györödi**, Ioana Andrada Olah, Livia Bandici, “A Comparative Study Between the Capabilities of MySQL vs. MongoDB as a Back-End for an Online Platform”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 7 Issue 11, 2016, pag. 73-78, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000391111200011, (Impact factor 0.9, Q3).
- A.13. Cornelia Györödi, **Robert Györödi**, Alexandra Ștefan, Livia Bandici, “A Comparative Study of Databases with Different Methods of Internal Data Management”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 7 Issue 4, 2016, pag. 266-271, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000377221300033, (Impact factor 0.9, Q3).
- A.14. Cornelia Györödi, Romulus-Radu Moldovan-Dușe, **Robert Györödi**, George Pecherle, “Improve Query Performance On Hierarchical Data. Adjacency List Model Vs. Nested Set Model”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 7 Issue 4, 2016, pag. 272-278, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000377221300034, (Impact factor 0.9, Q3).
- A.15. Cornelia Györödi, **Robert Györödi**, Roxana Sotoc, “[A Comparative Study of Relational and Non-Relational Database Models in a Web- Based Application](#)”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 6 Issue 11, 2015, pag. 78-83, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), **WOS:000369851900012**, (Impact factor 0.9, Q3).

- A.16. George Pecherle, Cornelia Györödi, **Robert Györödi**, "Methods of Isolation for Application Traces Using Virtual Machines and Shadow Copies ", *International Journal of Advanced Computer Science and Applications*, Vol. 5, No. 4, 2014, pag. 33-37, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000219161300006, (Impact factor 0.9, Q3).
- A.17. Cornelia Györödi, **Robert Györödi**, George Pecherle, George Mihai Cornea – “ Full-Text Search Engine Using MySQL”, *International Journal of Computers, Communications & Control (IJCCC)*, Vol. 5, Issue 5, December 2010, ISSN 1841-9836, pag. 731-740, WOS:000283908700015, (Impact factor 2.7, Q3).
- A.18. Mirela Pater, Cornelia Györödi, **Robert Györödi**, Alina Bogan–Marta, “*Mining Multi-Level Association Rules Using FP-Tree and AFOP-Tree*”, *International Journal of Computers, Communications & Control (IJCCC)*, ISSN 1841-9836, eISSN 1841-9844, pp, 341-348, 2006, WOS:000203014800057, (Impact factor 2.7, Q3).
- **Articole în volumele unor conferințe științifice indexate ISI Proceedings**
- C1. Zmaranda, L. Pop-Fele, **R. Györödi** and Cornelia Györödi, "Actor Model versus TPL for applications development," 2021 16th International Conference on Engineering of Modern Electric Systems (EMES), 2021, pp. 1-4, doi: 10.1109/EMES52337.2021.9484154, WOS:000855847300054.
- C2. **Robert Györödi**, Cornelia Györödi, Anamaria Tontea, Livia Bandici, "A system of categorization and classification based on certain criteria", *IEEE - 6th International Conference on Computers Communications and Control (ICCCC)*, 2016, 10-14 May 2016, Oradea, Romania, pp. 208 – 212, ISBN:978-1-5090-1735-5, WOS:000391251000032.
- C3. Cornelia Györödi, **Robert Györödi**, George Pecherle, Andrada Olah, " A comparative study: MongoDB vs. MySQL", *IEEE - 13th International Conference on [Engineering of Modern Electric Systems \(EMES\)](#), 2015*, Oradea, Romania, 11-12 June 2015, pag. 1-6, ISBN 978-1-4799-7650-8, WOS:000363815100046.
- C4. **Robert Györödi**, Cornelia Györödi, Borha Gabriel, Mihai Burtic, Pal Levente, Ferenczi, Janos " Acquaintance reminder using Google Glass", *IEEE - 13th International Conference on [Engineering of Modern Electric Systems \(EMES\)](#), 2015*, Oradea, Romania, 11-12 June 2015, pag. 1-4, ISBN 978-1-4799-7650-8, WOS:000363815100044.
- C5. Cornelia Györödi, **Robert Györödi**, M. Dersidan, Livia Bandici – “Applying a pattern length constraint on the FP-Growth algorithm”, SOFA 2009, *IEEE – Computational Intelligent Society, Proceedings of the International Workshop on Soft Computing Applications*, 29 July- 1 August 2009, Szeged-Hungary, Arad –Romania, pp. 183-187, WOS:000275159600033.
- C6. George Pecherle, Cornelia Gyorodi, **Robert Gyorodi**, “Detection of Confidential Data Using the Open Sensitive Area Definition (OSAD) Language”, ICCP 2009, *IEEE 5th International Conference on Intelligent Computer Communication and Processing*,

2009, Cluj Napoca, România, 27-29 August, ISBN 978-1-4244-5007-7, nr pag. 347-350, ISI Proceedings, WOS: 000277143300059.

- C7. Cornelia Györödi, **Robert Györödi**, Mirela Pater, Ovidiu Boc, Zoltan David – “Adaptive Afopt Algorithm”, *SYNASC 2005 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, Timisoara, Romania, September 25 – 29, 2005, IEEE Computer Society Order Number P2453, ISBN 0-7695-2453-2, pp.134-139, WOS:000235867000019.
- C8. **Robert Györödi**, Cornelia Györödi, Mirela Pater, Ovidiu Boc, Zoltan David – “Afopt Algorithm For Multi-Level Databases”, *SYNASC 2005 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, Timisoara, Romania, September 25 – 29, 2005, IEEE Computer Society Order Number P2453, ISBN 0-7695-2453-2, ISBN 0-7695-2453-2, pp.129-134, WOS:000235867000018.
- C9. M. Dragomiroiu, **Robert Györödi**, I. Salomie, Cornelia Györödi – “*Designing Reusable Web-Applications by Employing Enterprise Frameworks*”, *International Symposium on Computer and Information Sciences*, 2003 – ISCIS 2003, November 3-5, 2003, Editura Springer Verlag, Berlin, ISSN 0302-9743, ISBN: 3-540-20409-1 pp. 1051-1059, WOS:000188096800130.

➤ **Articole și lucrări în volumele unor conferințe indexate în alte baze de date internaționale recunoscute (BDI):**

1. A. Gruian, C. A. Györödi and **R. Ș. Györödi**, "Empowering Non-Technical Users: A Chatbot-Driven Approach to Database Management," *2025 18th International Conference on Engineering of Modern Electric Systems (EMES)*, Oradea, Romania, 2025, pp. 1-6, doi: 10.1109/EMES65692.2025.11045570.
2. David, Ghiurău, Doina Rodica Zmaranda, **Robert-Ștefan Györödi**, and Cornelia Györödi. "Exploring the Impact of Workflow Engines on Business Process Management in Enterprise Applications. A case-study: Camunda." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-4, 2023, (IEEE).
3. Magics-Verkman, Hannelore, Doina Rodica Zmaranda, Cornelia Györödi, and **Robert-Ștefan Györödi**. "A Comparison of Architectural Patterns for Testability and Performance Quality for iOS Mobile Applications Development." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-4, 2023, (IEEE).
4. Cordis, George Andrei, Felicia Mirabela Costea, George Pecherle, **Robert Györödi**, and Cornelia Györödi "Considerations in Mitigating Kerberos Vulnerabilities for Active Directory." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-6, 2023, (IEEE).
5. Cornelia Györödi, **Robert Györödi**, Mihai Dersidan, George Pecherle, Livia Bandici, "An Improved Hebbian Neural Network with Dynamic Neuronal Life and Relations and Its Connection to a Decision Group", *Studies in Computational Intelligence*,

Volume 417, 2013, pp 165-174, Springer Verlag, ISBN: 978-3-642-28, (Scopus, SpringerLink).

6. **Robert Györödi**, Cornelia Györödi, Mihai Dersidan, "An Extended Recommendation System using Data Mining Implemented for Smart Phones", *International Journal of Computers & Technology*, Vol 11, No.3, oct 15 2013, ISSN 2277-3061, Publisher IJCT Foundation, United States, pag. 2360-2372, <https://doi.org/10.24297/ijct.v11i3.1169>, (INSPEC, Crossref).
7. George Pecherle, **Cornelia Györödi**, Robert Györödi – “Methods to Protect and Isolate Application Traces Left on a Computer“, *Automation Computers Applied Mathematics*, VOL.21, No.2, 2012, ISSN 1221-437X, pp.145-151, (MathSciNet).
8. Cornelia Györödi, **Robert Györödi**, Mihai Cornea, George Pecherle, "Automated Internal Web Page Clustering for Improved Data Extraction", proceeding WIMS 12, *2nd International Conference on Web Intelligence, Mining and Semantics*, 2012, Craiova, România, 13-15 Iunie 2012, ISBN: 978-1-4503-0915-8, Article No. 66, (ACM).
9. Ciprian Lupu, Dumitru Popescu, **Robert Györödi**, and Andreea Udrea, “Precise Ratio Control Structure for Nonlinear Blend Processes”, 20th Mediterranean Conference on Control and Automation, Barcelona, July 3-6, 2012, IEEE Proceedings, INSPEC Accession Number: 12933947, Digital Object Identifier: 10.1109/MED.2012.6265823.
10. Ciprian Lupu, Dumitru Popescu, **Robert Györödi**, “Some Considerations on Simplifying Simulation Procedures: Real Time Switching Algorithms Case Study”, 14th IFAC Symposium on Information Control Problems in Manufacturing, May 23-25, 2012, The University Politehnica of Bucharest, Bucharest, Romania, Information Control Problems in Manufacturing, Volumul 14, Issue 1, pages 1716-1721, <https://doi.org/10.3182/20120523-3-RO-2023.00315>, (Science Direct).
11. George Pecherle, Cornelia Györödi, **Robert Györödi**, Bogdan Andronic, Iosif Ignat "New Method of Detection and Wiping of Sensitive Information", *IEEE 7th International Conference on Intelligent Computer Communication and Processing*, 2011, Cluj Napoca, România, 25-27 August, ISBN 978-1-4577-1478-8, CFP 1109D-PRT, nr pag. 145-148, (IEEE).
12. George Pecherle, Cornelia Györödi, **Robert Györödi**, Bogdan Andronic – “Data Wiping System with Fully Automated, Hidden and Remote Destruction Capabilities”, *Journal WSEAS TRANSACTIONS on COMPUTERS*, Issue 9, Volume 9, September 2010, ISSN: 1109-2750, pag. 939-948, (Scopus).
13. **Robert Györödi**, Cornelia Györödi, George Pecherle, George Mihai Cornea – “ Web Page Analysis Based on HTML DOM and Its Usage for Forum Statistics, Alerts and Geo Targeted Data Retrieval”, *Journal WSEAS TRANSACTIONS on COMPUTERS*, Issue 8, Volume 9, August 2010, ISSN: 1109-2750, pag. 822-831, (Scopus).
14. Cornelia Györödi, **Robert Györödi**, George Pecherle, Livia Bandici, M. Dersidan – “An Improved Hebbian Neural Network with Dynamic Neuronal Life and Relations”, SOFA 2010, IEEE – *Proceedings of the 4th International Workshop on Soft Computing Applications*, 15-17 July 2010, Arad – Romania, pp. 233-237, IEEE Catalog number CFP1028D-PRT, ISBN 978-1-4244-7982-5, (IEEE).
15. **Robert Györödi**, Cornelia Györödi, George Pecherle, George Mihai Cornea – “ Web page Analysis based on HTML DOM and its usage for forum statistics and alerts”,

ECC'10, European Computing Conference, Proceedings of the 4th European Computing Conference, Electrical and Computer Engineering Series Books, April 20-22, 2010, Universitatea Politehnica Bucharest, Romania, Published by WSEAS Press, ISSN 1790-5117, ISBN 978-960-474-178-6, pag. 212-218, (Scopus, ACM).

16. George Pecherle, Cornelia Györödi, **Robert Györödi**, Bogdan Andronic – “ Fully Automated and Hidden System for Wiping Sensitive Data”, *ECC'10, European Computing Conference, Proceedings of the 4th European Computing Conference, Electrical and Computer Engineering Series Books*, April 20-22, 2010, Universitatea Politehnica Bucharest, Romania, Published by WSEAS Press, www.wseas.org, ISSN 1790-5117, ISBN 978-960-474-178-6, pag. 189-194, (Scopus, ACM).
17. Cornelia Györödi, **Robert Györödi** – “Frequent Patterns Discovery without Candidates Generation”, *revista Română de Informatică și Automatică*, Volume 13, Number 4 , 2003, ISSN 1220-1758, pp.76-88, <https://rria.ici.ro/desoperirea-tiparelor-frecvente-fara-generare-de-candidati/> (Scopus)
18. Cornelia Györödi, **Robert Györödi**, Alina Bogan–Marta, Mirela Pater – “*The Distributed Algorithms in Mining Association Rules*”, *Romanian Academy Journal: FUZZY SYSTEMS & A.I., Reports And Letters*, vol. 10, No. 1-2, pp. 55-65, 2004, ISSN: 1016-2127, pp.55-65.
19. Cornelia Györödi, **Robert Györödi**, Stefan Holban – “A Comparative Study of Association Rules Mining Algorithms”, *SACI 2004, 1st Romanian- Hungarian Joint Symposium on Applied Computational Intelligence*, Timisoara, Romania, May 25-26, 2004, IEEE Romanian Section, pp. 213-222, (IEEE).
20. Cornelia Györödi, **Robert Györödi** – “Frequent Patterns Discovery without Candidates Generation”, *revista Română de Informatică și Automatică*, Volume 13, Number 4 , 2003, ISSN 1220-1758, pp.76-88 (ISI, DOAJ).
21. **Robert Györödi** – “A comparative study of iterative algorithms in association rules mining”, *Studies in Informatics and Control*, Volume 12 Number 3 , September 2003, Bucharest, Romania, ISSN 1220-1766, pp. 205-215, http://www.ici.ro/ici/revista/sic2003_3/index.html (INSPEC)
22. Cornelia Györödi, **Robert Györödi**, T. Coffey & S. Holban – “*Mining association rules using Dynamic FP-trees*”, *Proceedings of Irish Signal and Systems Conference*, IEEE Signal Processing Society, University of Limerick, Limerick, Ireland, 30th June-2nd July 2003, ISBN 0-9542973-1-8, pp.76-82 (IEEE).

➤ **Articole publicate în alte reviste de specialitate și în volumele unor manifestări științifice**

1. Mircea Moisoiu, Andrei Negrău, **Robert Györödi**, Cornelia Györödi, George Pecherle, " QR Code Scanning app for Mobile Devices", *International Journal of Computer Science and Mobile Computing*, Vol.3 Issue.6, June- 2014, pg. 334-341, ISSN 2320–088X, (INSPEC).
2. SÎRBU Constantin Florin, **Györödi Robert**, "Checking business rules with multi-tuple constraints", *Journal of Computer Science and Control Systems (JCSCS)*, ISSN 1844-6043, Volumul 4, nr. 1, 2011, pp. 161-165,
3. Constantinescu Cristian, Cornelia Györödi, **Robert Györödi**, George Pecherle – “Design and Implementation of Distributed N-Tier Applications”, *Journal of Computer*

Science and Control System, The 8th International Conference on Advances in Electro-Technologies ICAdET'2010, 27-28 May 2010, Oradea, Romania, pag. 29-37.

4. **Robert Györödi**, Cornelia Györödi, George Pecherle, Mihai Craciun – “Immutability in Java”, *Proceedings, 8-th RoEduNet International Conference*, 3-4 Decembrie 2009, Galați, Romania, nr. pp. 132-136, ISBN 978-606-8085-15-9.
5. Cornelia Györödi, **Robert Györödi**, George Pecherle, Lorand Tamas, “Web 2.0 Technologies with jQuery and Ajax”, *The Journal of Computer Science and Control Systems* (ISSN code 1844-6043), The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems, May 27-29, 2009, Oradea, Romania, ISSN 1844-6043, pp. 11-16.
6. **Robert Györödi**, Cornelia Györödi, G. Pecherle, R. Lucaciu, “*Network Security using firewalls*”, *Journal of Computer Science and Control Systems*, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies RSEE'2008, Session Computer Science and Control Systems, May 29-30, 2008, Oradea, Romania ISSN 1844-6043, pag. 38-42, 2008.
7. Cornelia Györödi, **Robert Györödi**, G. Pecherle, D. Zoltan, “*Building a Social Network using Ajax and RSS*”, *Journal of Computer Science and Control Systems*, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies RSEE'2008, Session Computer Science and Control Systems, May 29-30, 2008, Oradea, Romania ISSN 1844-6043, pag. 34-38, 2008.
8. Cornelia Györödi, **Robert Györödi**, Csilla Kellemen, Ioana Lasc, Daniel Ciobanu, Dan Pop, “Web 2.0 technologies with Ajax”, *Analele Universității din Oradea, Proceedings EMES'07, The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems*, May 24-26, 2007, Oradea, Romania, ISSN 1223-2106, pp.38-43.
9. **Robert Györödi**, Cornelia Györödi, Viland Tamas Tibor – “Communication Resources over Electronic Mail”, RSEE' 2006, *Analele Universității din Oradea, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems*, June 8-10, 2006, Stana de Vale-Spa, Romania, ISSN 1841-7213, pp.19-23
10. **Robert Györödi**, Cornelia Györödi, Mirela Pater, Ovidiu Boc, Zoltan David – “Fp-Growth Algorithm For Multi-Level Databases”, *Proceedings CSCS15, 15th International Conference on Control Systems and Computer Science*, Bucharest, May, 2005, Romania, pp.99-104, ISBN 973-8449-89-8.
11. Mirela Pater, **Robert Györödi**, Cornelia Györödi, Ovidiu Boc, Zoltan David – “Multi-Level Apriori Algorithm”, *Proceedings CSCS15, 15th International Conference on Control Systems and Computer Science*, Bucharest, May, 2005, Romania, pp.104-109.
12. **Robert Györödi**, St. Mogyrosi, Cornelia Györödi, Mirela Pater – “*Security System for SMS Messaging*”, *Analele Universității din Oradea, The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems*, May 26-28, 2005, Oradea, Romania, ISSN 1223-2106, pp.43-47.
13. Cornelia Györödi, **Robert Györödi**, Alina Bogan-Marta, Mirela Pater, – “*The distributed algorithms in mining association rules*”, *ICCC 2004 International Conference on Computers and Communications*, First Edition, ISBN 973-613-542-X, May 27-29, 2004 Baile Felix Spa-Oradea, Romania, pp. 186-192.

14. **Robert Györödi**, S. Caus, S. Holban, **Cornelia Györödi**, Alina Bogan–Marta – “Management System for Electrical Residential Installation”, *Scientific Bulletin of „Politehnica” University of Timisoara*, Vol 49(63) nr. 2, 2004, ISSN 1224-600X, pp. 209-215.
15. Cornelia Györödi, **Robert Györödi** – “Association Rules Mining in Distributed Environments”, *Annals of University of Craiova, Electrical Engineering Series*, nr 27, vol I, 2003, ISSN 1223-530X, pp.126-133.
16. **Robert Györödi**, Cornelia Györödi, A. Nagy – “A comparative study of association rules mining algorithms with and without candidates generation”, *Proceedings EMES’03, The 7th Scientific conference with international participation, session Computer Science and Control Systems*, May 29-31, 2003, Oradea, Romania, ISSN 1223-2106, pag. 51-57.
17. **Robert Györödi**, Stefan Holban, Tom Coffey, Cornelia Györödi - “*Identity Confirmation System Based on CTAG and HMM*”, *CONTI’2002, 5th International Conference on Technical Informatics*, October 18-19th 2002, Timisoara, Romania, *Transactions on Automatic Control and Computer Science*, *Scientific Bulletin of „Politehnica” University of Timisoara*, Vol 47(61) nr. 2, 2002, pag. 35-41.
18. **Robert Györödi**, Dr. Mark H. Fisher, Juliana Camapum - “Multi-scale color texture description” - *12th International Conference on Systems Engineering*, Vol1, Coventry University, 9-11 September 1997, UK, pag. 284-289, ISBN 0905949633.
19. Cristian Ionitoiu, **Robert Györödi** - “Implementing Transactions in XINU Multitasking Operating System.” - *Buletinul stiintific si Tehnic al Universitatii Tehnice Timisoara, Automatica si Calculatoare* - Tom 38(52) - 1993, pag. 173-179, Timisoara, Romania.

➤ **Proiecte/granturi de cercetare câștigate prin competiție**

A. Director/responsabil partener:

- P1. **Director**, proiect internațional nr. RO/2006/PL97208/S, “Student’s practical involvement in the Knowledge-based economy - Implicarea practică a studenților în economia bazată pe cunoaștere”, 18.01.2007-01.07.2007. Valoare proiect 22160 EURO.
- P2. **Director**, proiect/grant internațional cercetare TEMPUS IMG-96-RO-2041 în colaborare cu Coventry University, UK, ”Caracterizarea imaginilor pe baza texturilor”, 1997.
- P3. **Responsabil proiect**, în proiectul de cercetare–dezvoltare PC nr 21-036/A din 18.09.2007, “ Deservirea energetică a unei comunități locale utilizând curenții de aer”, 18.09.2007-01.09.2010. Valoarea proiectului corespunzătoare partenerului P1 - Universitatea din Oradea, este de 191229 RON.
- P4. **Responsabil proiect** din partea Universității Oradea pentru proiectul POSDRU/109/2.1/G/82033 - “Convergența pregătirii practice universitare pentru integrarea reușită a studenților pe piața muncii”, 2012-2013. Parteneri: SC ROMARKETING SRL, Oradea, Bihor, CAMERA DE COMERȚ ȘI INDUSTRIE BIHOR, cu sediul în Oradea, Coordonator proiect, lider de parteneriat (beneficiar) - Universitatea din Oradea (UO), proiect finanțat cu suma nerambursabila de 1862141.88 RON, 2011-2013. Valoare proiect 1.900.144 RON.

B. Membru în proiecte/grant naționale și internaționale

P5. Membru în proiectul CNFIS-FDI-2022-0058. Dezvoltarea capacităților de cercetare și inovare multidisciplinară utilizând tehnologii emergente (CIMTE) Bugetul proiectului: 299.173 lei, 2022.

P6. Membru/Expert pe termen lung, în proiectul POSDRU/89/1.5/S/56287 “Programe Postdoctorale în Avangarda Cercetării de Excelență în Tehnologiile Societății Informaționale și Dezvoltarea de Produse Și Procese Inovative”, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane, Proiect implementat de INCDTP București în parteneriat cu ASE București, Universitatea din Oradea, Association Groupe ESSEC – Franța, 2010-2013, valoare proiect 8006579,53 RON, www.posdru56287.org

P7. Membru în proiectul internațional ERASMUS INTENSIVE PROGRAMME nr. 2010-1-ES1-ERA 10-22322, “ Mobile and Web Development Technologies”, Parteneri: Universitatea Politehnica din Valencia, Spania (coordonator), parteneri: Universitatea LAHDEN AMMATTIKORKEAKOULU, Lahti, Finlanda, Universitatea din Oradea, Romania, 2010-2011, Suma 26753 Euro.

P8. Membru/Responsabil din partea Universității din Oradea, în proiectul internațional de cercetare-dezvoltare având nr de identificare CMSF631, “Unified Verification for Security Protocol Design”, University of Limerick, Irlanda, 2007-2010.

P9. Membru -Expert, în proiectul de cercetare-dezvoltare cod CNCSIS AT nr.44/2005, “Aplicații ale tehnicilor data mining în procesul decizional”, 2005. Valoarea proiectului: 114000 RON.

P10. Membru în proiectul internațional, Proiect European “Re2U”, Romanian-European eUniversity, 100693-CP-1-2002-1-RO-MINERVA-M, 2004.

P11. Membru în proiectul TEMPUS S_JEP 14009-99, “Cercetări în domeniul sistemelor integrate de management”, 1999-2001.

P12. Membru în proiectul TEMPUS S_JEP 12531-97 ”Cercetări în domeniul ingineriei programarii”, 1997-1999.

➤ Lucrări de cercetare-dezvoltare (F1, F2 etc.)

F1. Coordonarea și efectuarea unor sesiuni de cursuri de specializare/pregătire a personalului S.C. Transilvania General Import Export S.R.L. pentru folosirea infrastructurii informatice (sistemele Microsoft Windows, Office, SQL, Visual Studio, ASP.NET, C#).

F2. Elaborarea unor modele de minare a datelor în vederea incorporării acestora în sisteme de suport de decizie, dezvoltate intern, pentru S. C. Transilvania General Import Export S.R.L.

F3. Elaborarea, pentru S. C. Transilvania General Import Export S.R.L., a unor modele de baze de date în vederea implementării unor module de conversie/import a datelor din aplicațiile dezvoltate intern în sistemul Scala.

F4. Coordonarea și participarea la proiectarea diverselor pachete/utilitare software pentru S. C. Transilvania General Import Export S.R.L, majoritatea legate de sistemul Scala.

F5. Coordonarea și participarea la implementarea unor portaluri de informații de business bazate pe tehnologii Web 2.0, ASP.NET, pentru S. C. Transilvania General Import Export S.R.L.

➤ **Expert științific atestat național / internațional**

- External Examiner la University of Limerick (UL) pentru programul BSCSIFUFA Bachelor of Science in Cyber Security and IT Forensics, 2023-2027.
- Examiner Extern în Comisii Internationale de Evaluare PhD, MEng la University of Limerick, Irlanda în 2005 și 2006, 2012, 2016, 2023.
- Speaker la Microsoft Dynamics Academic Conference 2015 Europe, tema – A framework for unified Microsoft Dynamics mobile business application development, Barcelona, Spain, 30.10-02.11.2015.
- Chair la EMEA Microsoft Dynamics Academic Advisory Council, din iunie 2017 – 2024
- Evaluator ARACIS la nivel național în domeniul Calculatoare și Tehnologia informației <https://www.aracis.ro/registrul-national-al-evaluatorilor-cadre-didactice/>

➤ **Premii**

- Subprogram 1.1 - Resurse Umane - Premiera rezultatelor cercetării - Articole, Competitia 2019, PN-III-P1-1.1- PRECISI-2019- 33924, Autorii: **Robert Györödi**; Marius Iulian Pavel; Cornelia Györödi; Doina Zmaranda, Articolul: *Performance of OnPrem Versus Azure SQL Server: A Case Study*, publicat în IEEE Access Journal, USA, Volume: 7, Issue:1, 2019, pag. 15894-15902, Print ISSN: 2169-3536, Online ISSN: 2169-3536, Digital Object Identifier (DOI): 10.1109/ACCESS.2019.2893333, ISI Journal in Q1, Impact factor 4.098 din 2019, Accession Number: WOS:000458870700001.
- Subprogram 1.1 - Resurse Umane - Premiera rezultatelor cercetării - Articole, Competitia 2021, PN-III-DCD-RU-PRECISI-2021-6, PRECISI-2021-93180, Autorii: Cornelia Györödi, Diana V. Dumșe-Burescu, **Robert Ș. Györödi**, Doina R. Zmaranda, Livia Bandici, and Daniela E. Popescu Articolul: "Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases" *Applied Sciences* 11, no. 15: 6794, 2021. Special Issue "Big Data: Advanced Methods, Interdisciplinary Study and Applications", Accession Number: WOS:000681800600001, (Impact factor 2.838, Q2).

Data completării:

Semnătura

19.09.2025