

UNIVERSITATEA: Universitatea din Oradea
FACULTATEA: DE INGINERIE ELECTRICĂ ȘI TEHNOLOGIA INFORMAȚIEI
Domeniul de licență: CALCULATOARE ȘI TEHNOLOGIA INFORMAȚIEI
Programul de studii: MANAGEMENT ÎN TEHNOLOGIA INFORMAȚIEI

NUME ȘI PRENUME: PATER ALEXANDRINA MIRELA

LISTA DE LUCRĂRI

1. Teza de doctorat:

Titlul tezei: „*Contribuții La Dezvoltarea Algoritmilor De Extragere A Datelor Din Bazele De Date Multi-Nivel*”, Universitatea „Politehnica” Timișoara, 2006

2. Publicații:

A. Cărți publicat, îndrumare / culegeri publicate:

1. **Mirela Pater**, *Elemente de grafică pe calculator*, Editura Universității din Oradea, ISBN 973-613-203-X, 156 pag., 2002
2. **Mirela Pater**, *Utilizarea și programarea calculatoarelor*, Editura Universității din Oradea, ISBN 913-613-X, 243 pag., 2004
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3. **Mirela Pater**, *Didactica disciplinelor tehnice*, Editura Universității din Oradea, ISBN 913-613-717-1, 130 pag., 2004
4. **Mirela Pater**, *Introducere în știința sistemelor de calcul*, Editura Universității din Oradea, ISBN 978-973-759-494-5, 266 pag., 2008
5. **Mirela Pater**, *Principii ale graficii pe calculator*, Editura Universității din Oradea, ISBN 978-973-759-501-0, 210 pag., 2008
6. George Pecherle, Cristian Tiurbe, **Mirela Pater**, *Programarea calculatoarelor și limbaje de programare II – îndrumător de laborator*, îndrumător de laborator, format electronic, 2010
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7. Cristian Tiurbe, **Mirela Pater**, *Programarea calculatoarelor și limbaje de programare – îndrumător de laborator*, Editura Universității din Oradea, , ISBN 978-606-10-0749-3, 75 pag., 2011
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8. Cristian Tiurbe, **Mirela Pater**, *Informatică aplicată I - îndrumător de laborator*, Editura Universității din Oradea, ISBN 978-606-10-0750-9, 147 pag., 2012

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9. **Mirela Pater**, *Programarea calculatoarelor și limbaje de programare II*, curs format electronic, slides 2013
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13. **Mirela Pater**, *Principii ale graficii pe calculator*, Editura Universității din Oradea, ISBN 978-606-10-1711-9, 300 pag., Ediție revizuită, 2015
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15. Elisa Moisi, **Mirela Pater**, *Programare Java, lucrări de laborator*, editie electronică, 2019
https://uoradea-my.sharepoint.com/personal/alexandrina_pater_didactic_uoradea_ro/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Falexandrina%5Fpater%5Fdidactic%5Fu1oradea%5Fro%2FDocuments%2FProgramare%20Java%2FLaborator

16. Mirela Pater, *Marketing online*, ediție electronică, 2019
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3. Articole / studii publicate:

A. în reviste de specialitate de circulație internațională recunoscute cotate ISI sau indexate în baze de date internaționale specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță:

A.1. Vari-Kakas Ștefan, Poszet Otto, **Pater Alexandrina Mirela**, Moisi Elisa Valentina, Vari-Kakas Andor, "Issues Related to the Use of Blockchains in IoT Applications", 16th International Conference on Engineering of Modern Electric Systems (EMES), 10-11 June 2021, Electronic ISBN: 978-1-6654-4995-3, CD:978-1-6654-4994-6, Print on Demand(PoD) ISBN:978-1-6654-4996-0, DOI: 10.1109/EMES52337.2021.9484103, IEEE Oradea, Romania, 2021, <https://ieeexplore.ieee.org/document/9484103>

A.2. **Alexandrina-Mirela Pater**, Ștefan Vári-Kakas, Otto Poszet, Ionel Gabriel Pinte, "Segmenting Users of an Online Store Using Data Mining Techniques", 15th International Conference on Engineering of Modern Electric Systems (EMES), pp.205-208, 13-14 June 2019, Oradea, Romania,
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A.4. **Pater, Mirela**; Popescu, Daniela E., *Market-Basket Problem Solved With Depth First Multi-Level Apriori Mining Algorithm*, Book Group Author(s): IEEE

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A.6. Mirela Pater, Daniela E. Popescu, *Multi-level database mining using AFOP data structure and adaptive constraints*, ICCCC 2008, International Conference on Computers, Communications & Control, International Journal Of Computers Communications & Control ISSN 1841-9836 (print version), ISSN 1841-9844(online version), [ISTP/ISI Proceeding of Thomson Scientific http://www.journal.univagora.ro/download/pdf/123.pdf](http://www.journal.univagora.ro/download/pdf/123.pdf), May 15-17, 2008, Băile Felix - Oradea, Romania, pp. 349-353, Accession Number: **WOS:000257497600071**

A.7. Daniela E. Popescu, **Mirela Pater**, *Aspects about adders pseudorandom testing techniques*, Annals Of DAAAM For 2008 & Proceedings Of The 19th International DAAAM Symposium Intelligent Manufacturing & Automation: Focus On Next Generation Of Intelligent Systems And Solutions, ISSN 1726-9679, Trnava Slovakia, october, 2008, pp. 1121-1122, indexat Proceeding

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A.8. Daniela E. Popescu, **Mirela Pater**, *A performance comparative analysis for three different topological tests generation algorithms*, ICCCC 2007, International Conference on Computers, Communications & Control, International Journal Of Computers Communications & Control ISSN 1841-9836 (print version), ISSN 1841-9844 (online version), [ISTP/ISI Proceeding of Thomson Scientific http://www.journal.univagora.ro/download/pdf/123.pdf](http://www.journal.univagora.ro/download/pdf/123.pdf), May 15-17, 2007, Băile Felix - Oradea, Romania, pp. 360-365, Accession Number: **WOS:000257497600074**

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A.9. Mirela Pater, Daniela E. Popescu, *The benefits of using prefix tree data structures in multi-level frequent pattern mining*, SOFA 2007, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August, 2007, Gyula, Hungary-Oradea, Romania, pp. 179-182, Accession Number: **WOS:000249888900030**

A.10. Daniela E. Popescu, **Mirela Pater**, *The use of genetic algorithms for optimizing the reliability of danger control system design*, SOFA 2007, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August, 2007, Gyula, Hungary-Oradea, Romania, pp. 129-134, Accession Number: **WOS:000249888900022**

A.11. Mirela Pater, Cornelia Györödi, Robert Györödi, Alina Bogan-Marta, *Mining Multi-Level Association Rules Using FP-Tree and AFOP-Tree*, ICCCC 2006, International Conference on Computers, Communications & Control, [Supplementary issue-Proceedings of ICCCC 2006](http://www.univagora.ro/ISI_Thomson_Scientific.pdf), ISSN 1841-9836 (print version), ISSN 1841-9844 (online version), indexat ISI http://www.univagora.ro/ISI_Thomson_Scientific.pdf, June 1-3, 2006, Băile Felix - Oradea, Romania, pp. 341-348, Accession Number: **WOS:000203014800057**

A12. Alina Bogan-Marta, Nicolae Robu, **Mirela Pater**, *String Comparison in Terms of Statistical Evaluation Applied on Biological Sequences*, ICCCC 2006, International Conference on Computers, Communications & Control, [Supplementary](#)

[issue- Proceedings of ICCCC 2006](#), ISSN 1841-9836 (print version), ISSN 1841-9844 (online version), indexat [ISI](#) http://www.univagora.ro/ISI_Thomson_Scientific.pdf, June 1-3, 2006, Băile Felix - Oradea, Romania, pp. 86-91

A13. Robert Györödi, Cornelia Györödi, **Mirela Pater**, Ovidiu Boc, Zoltan David, *AFOPT Algorithm for multi-level databases*, Proceedings of the Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing SYNASC'05, ISBN 0-7695-2453-2, September 25 - 29, 2005, Timisoara, Romania, pp. 129-133, Accession Number: **WOS:000235867000019**.

A14. Cornelia Györödi, Robert Györödi, **Mirela Pater**, Ovidiu Boc, Zoltan David, *Adaptive AFOPT algorithm*, Proceedings of the Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing SYNASC'05, ISBN 0-7695-2453-2, September 25 - 29, 2005, Timisoara, Romania, pp. 134-138 Accession Number: **WOS:000235867000018**.

B. indexate în baze de date internaționale recunoscute (BDI):

B.1. VARI-KAKAS Ștefan, POSZET Otto, **PATER Mirela**, *Considerations Regarding the Security and Safety of Internet of Things*, *Journal of Computer Science and Control Systems (JCSCS)*, P-ISSN: 1844-6043, E-ISSN: 2067-2101, CD-ISSN: 2067-2098, vol. 13 nr.2, october 2020

B.2. VARI-KAKAS Ștefan, POSZET Otto, **PATER Mirela**, *Reliability and Efficiency Considerations of Wireless Sensor Networks*, *Journal of Computer Science and Control Systems (JCSCS)*, P-ISSN: 1844-6043, E-ISSN: 2067-2101, CD-ISSN: 2067-2098, vol. 11 nr.2, october 2018

B.3. POSZET Otto, VARI-KAKAS Ștefan, **PATER Mirela**, POSZET Anna, *Experiential Teaching of Signal Analysis in Data Acquisition Systems Course by Virtualization*, *Journal of Computer Science and Control Systems (JCSCS)*, P-ISSN: 1844-6043, E-ISSN: 2067-2101, CD-ISSN: 2067-2098, vol. 9 nr. 2, october 2016

B.4. Polojintef Corbu Nicolae, Pater Sorin, Hule Voica, **Pater Mirela**, *Rigidity Analysis of Vibrorolled Surface*, Proceedings of the 18th International DAAAM Symposium „Intelligent Manufacturing & Automation: Focus on Creativity, responsibility, and Ethics of Engineers”, ISSN 1726-9679, 24-27 october, 2007, Zadar, Croatia, pp. 573-574, indexat ISI

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C. în alte reviste de specialitate de circulație internațională:

D. în reviste din țară recunoscute C.N.C.S.I.S.:

D.1. **Mirela Pater**, Daniela Mastei, Cristian Tiurbe, *Aspects about CMS Efficiency for Universities*, Scientific and Technical Bulletin Series: Electrotechnics, Electronics, Automatic Control and Computer Science, "Aurel Vlaicu" University of Arad, ISSN 1584-9198, Vol. 9, 2013, <http://www.uav.ro/en/journals/stb-eeaccs>

D.2. Cornelia Györödi, Robert Györödi, Alina Bogan-Marta, **Mirela Pater**, *The distributed algorithms in mining association rules*, Revista Academiei Române „FUZZY SYSTEMS & A.I.” Reports & Letters Vol. 10, ISSN: 1016-2127, 2004, pp. 55-67

D.3. Mirela Pater, Cornelia Györödi, *Studiu comparativ al sistemelor de gestiune a bazelor de date relaționale și obiectuale*, Revista ALETHEIA 14, ISBN 973-8032-31-8, ISSN 973-8032-31-8, Oradea, Septembrie, 2003, pp. 255-264

D.4. Robert Györödi, Cornelia Györödi, **Mirela Pater**, *Aplicarea tehnicilor de Data Mining într-un sistem de gestiune a unei firme de distribuție*, Revista ALETHEIA 14, ISBN 973-8032-31-8, ISSN 973-8032-31-8, Oradea, Septembrie, 2003, pp. 186-196

E. în reviste de specialitate de circulație națională cu (ISBN, ISSN):

F. citări ISI / BDI / Alte reviste:

F.1. Mirela Pater and Daniela E. Popescu, "Market-Basket Problem Solved With Depth First Multi-Level Apriori Mining Algorithm", 3rd International Workshop on Soft Computing Applications, 2009

<http://ieeexplore.ieee.org/Xplore/login.jsp?url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel5%2F5235871%2F5254836%2F05254864.pdf%3Farnumber%3D5254864&authDecision=-203> - 7 citări

C1. Priya, G.L., Hariharan, S., *A comparative study on existing methodologies to predict dominating patterns amongst biological sequences*, Advanced Computing (ICoAC), 2011 Third International Conference on, 2011

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C2. YB Kang, S Krishnaswamy, A Zaslavsky, *Retrieval in CBR using a combination of similarity and association knowledge*, http://link.springer.com/chapter/10.1007/978-3-642-25853-4_1#page-2

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C5. Shigeaki Sakurai, *An efficient discovery method of patterns from transactions with their classes*, IEEE International Conference on Systems, Man, and Cybernetics - SMC, pp. 2116-2123, 2010,

<http://academic.research.microsoft.com/Publication/39278567/an-efficient-discovery-method-of-patterns-from-transactions-with-their-classes>

C6. Goyal, Lalit Mohan, Jamia Millia Islamia, **Beg, M.M.Sufyan,** *An efficient filtration approach for mining association rules*, Computing for Sustainable Global Development (INDIACom), 5-7march 2014 International Conference on , ISBN:978-93-80544-10-6, pp:178 – 185, 10.1109/IndiaCom.2014.6828124

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C1 Dr.K.Duraiswamy, B.Jayanthi, *A Novel Pre-processing Algorithm for Frequent Patter*

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C2. I Anica-Popa, G Cucui, *A framework for enhancing competitive intelligence capabilities using decision support system based on web mining techniques*, Int. J. of Computers, Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844

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Vol.7 (2012), No. 5 (December), pp. 249-261,

<http://www.journal.univagora.ro/download/pdf/595.pdf#page=53>

C4. S Sakurai, *Discovery of characteristic patterns from transactions with their classes*, Journal Applied Computational Intelligence and Soft Computing Volume 2012, January 2012 Article No. 13 Hindawi Publishing Corp. New York, NY, United States,

C5. Yang, L. , Weng, D., *An improved depth-first frequent item-set data mining algorithm*, (2012) International Review on Computers and Software

C6. J Kollar, *The evolution of the machine mind language*, - Engineering of Modern Electric Systems (EMES), 2015 - ieeexplore.ieee.org

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F.3. M Pater, DE Popescu, D Mastei, *Pattern discovery techniques in Web mining*, Journal of Computer Science and Control Systems, 2008, **2 citări**:

C1. N Sharma, SK Dubey, *A Hand to Hand Taxonomical Survey on Web Mining*, International Journal of Computer Applications, 2012 – Citeseer

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C1. [Christophe Andrieu](#), [Y. F. Atchadé](#), *On the efficiency of adaptive MCMC algorithms*, '06 Proceedings of the 1st international conference on Performance evaluation methodologies and tools, <http://doi.acm.org/10.1145/1190095.1190150>

F.5. Robert Györödi, Cornelia Györödi, **Mirela Pater**, Ovidiu Boc, Zoltan David, *AFOPT Algorithm for multi-level databases*, Proceedings of the Seventh International Symposium on Symbolic and Numeric Algorithms for Scientific Computing SYNASC'05, ISBN 0-7695-2453-2, September 25 - 29, 2005, Timisoara, Romania, pp. 129-133, - **3 citări**

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C2. [Mark Gallagher](#), [John Doherty](#), *Parameter estimation and uncertainty analysis for a watershed model.*, *ENVSOFT* (2007),
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C3. [Olli Malve](#), [Marko Laine](#), [Heikki Haario](#), [Teija Kirkkala](#), [Jouko Sarvala](#), *Bayesian modelling of algal mass occurrences - using adaptive MCMC methods with a lake water quality model.*, *ENVSOFT* (2007),
<http://dx.doi.org/10.1016/j.envsoft.2006.06.016>

4.

A. Articole / studii publicate în volumele unor manifestări științifice: (se precizează dacă este cazul – cotate ISI, sau indexate în baze de date internaționale – BDI)

A.1. **Mirela Pater**, Daniela E. Popescu, *Market-Basket Problem Solved With Depth First Multi-Level Apriori Mining Algorithm*, SOFA 2009, 3rd IEEE International Workshop on Soft Computing Applications, 29 July-1 August, 2009, Szeged, Hungary-Arad, Romania, pp. 131+136, indexat ISI Proceeding

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A.4. **Mirela Pater**, Daniela E. Popescu, *The benefits of using prefix tree data structures in multi-level frequent pattern mining*, SOFA 2007, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August, 2007, Gyula, Hungary-Oradea, Romania, pp. 179-182, indexat ISI Proceeding

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A.5. Daniela E. Popescu, **Mirela Pater**, *The use of genetic algorithms for optimizing the reliability of danger control system design*, SOFA 2007, 2nd IEEE International Workshop on Soft Computing Applications, 21-23 August, 2007, Gyula, Hungary-Oradea, Romania, pp. 125-130, indexat ISI proceeding,

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A.6. Polojintef Corbu Nicolae, Pater Sorin, Hule Voica, **Pater Mirela**, *Rigidity Analysis of Vibrorolled Surface*, Proceedings of the 18th International DAAAM Symposium „Intelligent Manufacturing & Automation: Focus on Creativity, responsibility, and Ethics of Engineers”, ISSN 1726-9679, 24-27 october, 2007, Zadar, Croatia, pp. 573-574, indexat ISI

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B. internaționale recunoscute (cu ISSN sau ISBN) din țară și din străinătate:

B.1. **Mirela Pater**, Daniela Mastei, Cristian Tiurbe, *Aspects about CMS Efficiency for Universities*, Scientific and Technical Bulletin Series: Electrotechnics, Electronics, Automatic Control and Computer Science, ISSN 1584-9198, Vol. 9, 2013

B.2. Szabolcs Szilágyi, Daniela E Popescu, **Mirela Pater**, [*Some Aspects about the Efficiency of Bit Voters Implementation.*](#), Journal of Computer Science & Control Systems, 2009,

B.3. DE Popescu, **M Pater**, D Zmaranda, D Mastei - [*Some Aspects About The Effectiveness Of Using The MISR As A PRPG Or As A Signature Analyzer In Boundary Walking Test*](#), Journal of Computer Science and Control Systems, 2008

B.4. Daniela E. Popescu, **Mirela Pater**, *The effectiveness of using the MISR as PRPG*, RSEE 08, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1844-6043, June 8-9, 2008, Oradea, Romania, pp. 88-91

B.5. **Mirela Pater**, Daniela E. Popescu, *A theoretical comparison of using different support constrains in association rules mine algorithms*, EMES 07, 9th International Conference on Engineering of Modern Electric Systems, ISSN 1223-2106, 24-26 May, 2007, Oradea, Romania, pp.80-83

B.6. Daniela E. Popescu, **Mirela Pater**, *Some comparison results regarding the adders' testing and performance*, EMES 07, 9th International Conference on Engineering of Modern Electric Systems, ISSN 1223-2106, 24-26 May, 2007, Oradea, Romania, pp.84-89

B.7. **Mirela Pater**, Ionel Jian, *Multilevel frequent pattern mining from databases using AFOP data structure*, CONTI'2006, Proceeding of the 7th International Conference on Technical Informatics, ISBN (10) 973-625-321-X, ISBN (13) 978-973-625-321-8, June 8-9 2006, Timișoara, Romania, pp. 251-256

B.8. **Mirela Pater**, Alina Bogan-Marta, Cornelia Györödi, *Mining frequent itemsets using adaptive support constrains*, RSEE 06, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, June 8-9, 2006, Oradea, Romania, pp. 35-39

B.9. Alina Bogan-Marta, **Mirela Pater**, Cornelia Györödi, *Statistical Inference Using N-gram Models Estimation*, RSEE 06, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, June 8-9, 2006, Oradea, Romania, pp. 15-19

B.10. Cornelia Györödi, Robert Györödi, Alina Bogan-Marta, **Mirela Pater**, *Data Mining for fraud detection*, RSEE 06, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, June 8-9, 2006, Oradea, Romania, pp. 23-27

B.11. **Mirela Pater**, Robert Györödi, Cornelia Györödi, *Comparison Study of Leading Data Mining Tools*, EMES 05, 8th International Conference on Engineering of Modern Electric Systems, Session Computer Science and Control Systems, ISSN 1223-2106, May 25-28, 2005, Oradea, Romania, pp. 98-103

B.12. Robert Györödi, Stefan Mogyrosi, Cornelia Györödi, **Mirela Pater**, *Security System for SMS Messaging*, EMES 05, 8th International Conference on Engineering of Modern Electric Systems, Session Computer Science and Control Systems, ISSN 1223-2106, May 25-28, 2005, Oradea, Romania, pp. 43-46

B.13. Mirela Pater, Cornelia Györödi, Robert Györödi, Ovidiu Boc, Zoltan David, *Multi-level Apriori algorithms*, CSCS 15, The 15th International Conference on Control Systems and Computer Science, ISBN 973-8449-17-0, ISSN 973-8449-18-9, May 25-27, 2005, (CD-ROM), Bucharest, Romania, pp. 840-846

B.14. Robert Györödi, Cornelia Györödi, **Mirela Pater**, Ovidiu Boc, Zoltan David, *FP-Growth algorithms for multi-level databases*, CSCS 15, The 15th International Conference on Control Systems and Computer Science, ISBN 973-8449-17-0, ISSN 973-8449-18-9, (CD-ROM), May 25-27, 2005, Bucharest, Romania, pp. 846-952

B.15. Mirela Pater, Ionel Jian, *Object-oriented representation of relational database*, CONTI'2004, 6th, Scientific Bulletin of „Politehnica” University of Timișoara, Vol 49(63) nr. 2, 2004, ISSN 1224-600X, pp. 125-130

B.16. 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

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B.18. Mirela Pater, Robert Györödi, *Accessing Relational Database through an Object-Oriented Interface*, RSEE'2004, Analele Universității din Oradea, The 5th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, May 27-29, 2004, Stâna de Vale-Spa, Romania, pp. 53-59

B.19. Robert Györödi, Cornelia Györödi, Alina Bogan–Marta, **Mirela Pater**, *Bridging the gap between OLAP and Data Mining*, RSEE'2004, Analele Universității din Oradea, The 5th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, May 27-29, 2004, Stâna de Vale-Spa, Romania, pp. 11-13

B.20. Robert Györödi, Cornelia Györödi, Alina Bogan–Marta, **Mirela Pater**, *Text mining and Web mining*, RSEE'2004, Analele Universității din Oradea, The 5th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems, ISSN 1841-7213, May 27-29, 2004, Stâna de Vale-Spa, Romania, pp. 14-18

B.21. Cornelia Györödi, Ștefan Holban, Robert Györödi, **Mirela Pater**, *Mining Knowledge in Relational Databases*, CONTI'2002, 5th International Conference on Technical Informatics, ISBN (10) 973-625-321-X, ISBN (13) 978-973-625-321-8, October 18-19th 2002, Timișoara, Romania, Transactions on Automatic Control and Computer Science, Scientific Bulletin of „Politehnica” University of Timișoara, Vol 47(61) nr. 2, 2002, pp.1-6

B.23. Mirela Pater, Ecaterina Vladu, *Heuristic Techniques to Optimize SQL Queries*, Proceedings of Oradea EMES' 01, May 24-27, 2001, Oradea, Romania, pp. 169-175

B.24. Daniela Popescu, Corneliu Popescu, Mirela Pater, *The C-testability Analyze for Block Carry-lookahead Adder (CLA)*, Proceedings of RSEE ' 98, 28-30 May, 1998, Băile Felix, Romania, pp. 81-86

B.25. Daniela Popescu, Corneliu Popescu, Mirela Pater, *An Algorithm For Determining The Minimal Test Set For The Carry-lookahead Adder (CLA)*, Proceedings of RSEE ' 98, 28-30 May, 1998, Băile Felix, Romania, pp. 87-92

C. naționale:

5. Brevete de invenție:

6. Proiecte / contracte / granturi de cercetare – dezvoltare – inovare:

A. Obținute prin competiție pe bază de contract / grant internaționale:

P1. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. 019760 (SES 6), “*Enhanced Geothermal Innovative Network for Europe Engine*”, 2006-2009

P2. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. FP6 STREP Nr.Tren/04/FP6EN/S07.31402/503063, “*Ground Coupled Heat Pumps of High Technology*”, 2006-2009

P3. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. TREN/05/FP6EN/S07.53962/518277, “*Efficient low temperature geothermal binary power. LOW-BIN*”, 2006-2009

P4. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. TREN/07/FP6EN/S07.68923/038659, “*High-Combi*”, 2007-2011

P5. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. 103/2006, CEEX CORINT, “*Rețea europeană inovatoare pentru sisteme geotermale stimulate*”, 01.08.2006-01.12.2008

P6. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. 95/2006, CEEX CORINT, “*Atingerea scopurilor determinate de protocolul Kyoto prin introducerea pompelor de căldură cu surse subterane în zonele construite*”, 01.03.2006-19.11.2008

P7. Membru **dr. ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare internațional nr. 94/2006, CEEX CORINT, “*Energie geotermală binară eficientă la temperatură joasă*”, 01.04.2006-01.12.2008

B. Obținute prin competiție pe bază de contract / grant naționale:

P1. Membru **ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare Nr.2528/05.05.2006, cod CNC SIS 482, “*Cercetări privind proiectarea și implementarea de noi unelte software pentru modelarea și analiza sistemelor timp real*”, 2006

P2. Colaborator la echipa de cercetare a contractului de cercetare-dezvoltare cod CNC SIS AT nr. 44, „Aplicații ale tehnicilor data mining în procesul decizional” din 2005-2006

P3. Membru **ing. Mirela Pater** în echipa de cercetare a contractului de cercetare-dezvoltare Nr. INFOSOCC2, „Proiectarea unui mediu de programare cu facilități de testare a circuitelor digitale”, 1.10.2002- 30.06.2003

C. Contracte de cercetare cu mediul socio – economic:

D. alte lucrări de cercetare – dezvoltare, după caz:

7.

A. Creații artistice prezentate la manifestări recunoscute, precum și, după caz, alte lucrări similare:

B. Lucrări prezentate la diferite seminarii / expoziții și nepublicate etc.:

8. Recunoașterea prestigiului științific:

A. Conducere de doctorat:

B. Referent în comisii de doctorat internaționale în ultimii 5 ani:

C. Membru în colectivele de redacție ale unor reviste științifice recunoscute:

C1. Membru *Journal of Computer Science and Control Systems*, ISSN 1844-6043, vol. 6, Nr. 1, May 2013

C2. Membru *SOFA 6th International Workshop on Soft Computing Applications*, 24-26 July 2014, Timisoara, Romania

C3. Membru *SOFA 7th International Workshop on Soft Computing Applications*, 24-26 august 2016, Arad, Romania

C4. Membru *SOFA 8th International Workshop on Soft Computing Applications*, 13-15 septembrie 2018, Arad, Romania

C5. Membru *Journal of Computer Science and Control Systems*, ISSN 1844-6043, vol. 10, Nr. 1, 2019

C5. Membru *Journal of Computer Science and Control Systems*, ISSN 1844-6043, vol. 11, Nr. 1, 2020

C7. Membru *SOFA 9th International Workshop on Soft Computing Applications*, septembrie 2020, Arad, Romania

D. Referent atestat al unor reviste științifice cotate ISI sau indexate în BDI în ultimii 5 ani:

D1. Recenzor *Journal of Computer Science and Control Systems*, ISSN 1844-6043, vol. 6, Nr. 1, May 2013

D2. Recenzor *SOFA 6th International Workshop on Soft Computing Applications*, 24-26 July 2014, Timisoara, Romania

D3. Recenzor Journal of Computer Science and Control Systems, ISSN 1844-6043, vol. 7, Nr. 1, 2016

D4. Recenzor SOFA 6th International Workshop on Soft Computing Applications, 24-26 august 2016, Arad, Romania

D5. Recenzor Journal of Computer Science and Control Systems, ISSN 1844-6043, vol. 8, Nr. 1, 2017

D6. Recenzor Journal of Computer Science and Control Systems, ISSN 1844-6043, vol. 9, Nr. 1, 2018

D6. Recenzor Journal of Computer Science and Control Systems, ISSN 1844-6043, vol. 10, Nr. 1, 2019

E. Expert științific atestat național / internațional:

F. Premii:

G. Membru în asociații științifice profesionale: IEEE, SRAIT, CCTIE

9. Alte date neprecizate mai sus: