Lista de lucrări în domeniul de ştiinţă definit de disciplinele din postul scos la concurs

NUMELE ŞI PRENUMELE: Dr. Jánosi-Rancz Katalin Tünde

I. LISTA PUBLICAȚIILOR RELEVANTE

2024

16. Attila Biró, **Katalin Tünde Jánosi-Rancz** and László Szilágyi: Real-time Artificial Intelligence Text Analysis for Identifying Burnout Syndromes in High-Performance Athletes, Slovakia January 25-27, 2024, IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics : SAMI 2024 : Proceedings. (2024) ISBN:9798350317190; 9798350317206, pp. 253-258

2022

15. Attila Biró, **Katalin Tünde Jánosi-Rancz**, László Szilágyi, Antonio Ignacio Cuesta-Vargas, Jaime Martín-Martín and Sándor Miklós Szilágyi, Visual Object Detection with DETR to Support Video-Diagnosis Using Conference Tools, Applied Science, 2022, MDPI, 12(12), 5977; https://doi.org/10.3390/app12125977 (This article belongs to the Section Computing and Artificial Intelligence)

2019

14. Kátai Zoltán, **Jánosi-Rancz Katalin Tünde**, Iclănzan Dávid, Linking formal and informal structures based on faculty members email communication patterns, Proceedings of the 26th International Conference on Neural Information Processing (ICONIP), 12-15, December 2019, Australian Journal of Intelligent Information Processing Systems (AJIIPS).

2017

13. Adalbert Balog, Hugh Loxdale, János Bálint, Klára Benedek, Károly-Attila Szabó, **Katalin-Tünde Jánosi-Rancz**, Erzsébet Domokos, Journal of Pest Science, The arbuscular mycorrhizal fungus Rhizophagus irregularis affects arthropod colonization on sweet pepper in both the field and greenhouse, ISSN 1612-4766, 2017, Volume 90, Issue 3, pp 935–946
DOI: https://doi.org/10.1007/s10340-017-0844-1

2016

12. Tibor Kiss, **Katalin Tünde Jánosi-Rancz**, Developing railway interlocking systems with session types and Event-B, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics, 2016, p. 93-98
DOI: 10.1109/SACI.2016.7507347
Electronic ISBN: 978-1-5090-2380-6
USB ISBN: 978-1-5090-2379-0
Print on Demand(PoD) ISBN: 978-1-5090-2381-3

11. Viorica Varga, **Katalin Tünde Jánosi-Rancz**, Balázs Kálmán, Conceptual Design of Document NoSQL Database with Formal Concept Analysis, Acta Polytechnica Hungarica, Journal of Applied Sciences, Volume 13, Number 2, p. 229-248, 2016
DOI: 10.12700/APH.13.2.2016.2.13

2015

10. **K. T. Jánosi-Rancz**, Z. Kátai, R. Bogosi , Sapiness−Sentiment analyser, Acta Universitatis Sapientiae, Informatica **7,** 2 (2015) 186−199

2014

9. K.T. Janosi-Rancz, A.Lajos, Semantic Data Extraction, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania, ELSEVIER, Procedia Technology, Volume 19, 2015, Pages 827–834

8. K.T. Janosi-Rancz, Finding, Managing and Inforcing CFDs and Ars via a semi-automatic learning strategy, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, Volume LIX, Number 2, pp. 34-49, 2014

2012

7. K.T. Janosi-Rancz, V. Varga, XML Schema Refinement Through Formal Concept Analysis, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, Volume LVII, Number 3, pp. 49-64, 2012
MR3113040

2010

6. V. Varga, **K. T. Janosi Rancz**, C. Sacarea, K. Csioban, XML Design: an FCA Point of View, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Theta 17th edition, Cluj Napoca, pp. 165-170
io-port 05803710

5. K. T. Janosi-Rancz, V. Varga and T. Nagy, Detecting XML Functional Dependencies through Formal Concept Analysis, 14th East European Conference on Advances in Databases and Information Systems (ADBIS), Serbia, LNCS 6295, pp 595--598, 2010

2009

4. Dmitry Ignatov, **K. T. Janosi-Rancz**, Sergey Kuznetsov, Towards a framework for near-duplicate detection in document collections based on closed sets of attributes. Acta Universitatis Sapientiae, Informatica, 1, 2 (2009) 215-233
Zbl 1190.68021, io-port 05605533

2008

3. K. T. Janosi Rancz, V. Varga, J. Puskas, A Software Tool for Data Analysis based on Formal Concept Analysis, 7th Joint Conference on Mathematics and Computer Science Cluj, 3-6 July 2008, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 2, (2008) 67-78, ISSN: 1224-869X
Zbl 1182.68072, io-port 05652622

2. Janosi Rancz, K. T., Varga, V., A method for mining functional dependencies in relational database design using FCA. Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 1, (2008) 17-28, ISSN: 1224-869X
Zbl 1187.68193, io-port 05663465

1. Varga, V., **Janosi Rancz, K. T**., A Software Tool to Transform Relational Databases in Order to Mine Functional Dependencies in it Using Formal Concept Analysis, Proceedings of the Sixth International Conference on Concept Lattices and Their Applications, 21-23 oct. 2008, 1-9

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

Numele şi prenumele: Jánosi-Rancz Katalin Tünde

A. Teza de doctorat

Conceptual Knowledge Discovery in Databases, *Școala Doctorală de Matematică și Informatică, Universitatea Babeș- Bolyai, Cluj Napoca,* 2014

B. Cărti publicate -

B1. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

Katalin Tunde Janosi Rancz – Conceptual Knowledge discovery in databases, Sapientia Books, Natural Sciences, Scientia Publishing House, 2018, ISBN978-606-975-009-4

B3. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

B4. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărţi publicate în străinătate

B6. Capitole de cărţi publicate în ţară

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

1. Adalbert Balog, Hugh Loxdale, János Bálint, Klára Benedek, Károly-Attila Szabó, **Katalin-Tünde Jánosi-Rancz**, Erzsébet Domokos, Journal of Pest Science, The arbuscular mycorrhizal fungus Rhizophagus irregularis affects arthropod colonization on sweet pepper in both the field and greenhouse, ISSN 1612-4766, 2017, Volume 90, Issue 3, pp 935–946. DOI: https://doi.org/10.1007/s10340-017-0844-1
2. Kátai Zoltán, **Jánosi-Rancz Katalin Tünde**, Iclănzan Dávid, Linking formal and informal structures based on faculty members email communication patterns, Proceedings of the 26th International Conference on Neural Information Processing (ICONIP), 12-15, December 2019, Australian Journal of Intelligent Information Processing Systems (AJIIPS).

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaţionale (indicaţi şi baza de date).

1. *D. Ignatov, **K. T. Janosi-Rancz**, S. Kuznetsov*
   Towards a framework for near-duplicate detection in document collections based on closed sets of attributes. Acta Universitatis Sapientiae, Informatica, **1**, 2 (2009) 215-233,

Zbl 1190.68021, io-port 05605533

2. *V. Varga, **K. T. Janosi Rancz**, C. Sacarea, K. Csioban*
   XML Design: an FCA Point of View, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Theta 17th edition, Cluj Napoca, pp. 165-170
3. ***K. T. Janosi-Rancz**, V. Varga and T. Nagy*
   Detecting XML Functional Dependencies through Formal Concept Analysis, 14th East European Conference on Advances in Databases and Information Systems (ADBIS), Novi Sad, Serbia, LNCS 6295, pp 595-598, 2010.
4. ***K. T. Janosi Rancz,**.V. Varga*
   A method for mining functional dependencies in relational database design using FCA. Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 1, (2008) 17-28, ISSN: 1224-869X
   Zbl 1187.68193, io-port 05663465
5. ***K. T. Janosi Rancz,** V. Varga, J. Puskas*
   A Soft Tool for Relational Database Design using Formal Concept Analysis, 7th Joint Conference on Mathematics and Computer Science Cluj, 3-6 July 2008, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 2, (2008) 67-78, ISSN: 1224-869X
   Zbl 1182.68072, io-port 05652622
6. **K.T. Janosi-Rancz**, V. Varga, XML Schema Refinement Through Formal Concept Analysis, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, Volume LVII, Number 3, pp. 49-64, (2012), ISSN: 1224-869X
7. **K.T. Janosi-Rancz**, A.Lajos, Semantic Data Extraction, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania, ELSEVIER, Procedia Technology, Volume 19, 2015, Pages 827–834
8. **K.T. Janosi-Rancz**, Finding, Managing and Inforcing CFDs and Ars via a semi-automatic learning strategy, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, Volume LIX, Number 2, pp. 34-49, 2012
9. Tibor Kiss, **Katalin Tünde Jánosi-Rancz**, Developing railway interlocking systems with session types and Event-B, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics, 2016, p. 93-98
   DOI: 10.1109/SACI.2016.7507347
10. Viorica Varga, **Katalin Tünde Jánosi-Rancz**, Balázs Kálmán, Conceptual Design of Document NoSQL Database with Formal Concept Analysis, Acta Polytechnica Hungarica, Journal of Applied Sciences, Volume 13, Number 2, p. 229-248, 2016
    DOI: 10.12700/APH.13.2.2016.2.13
11. **K. T. Jánosi-Rancz**, Z. Kátai, R. Bogosi , Sapiness−Sentiment analyser, Acta Universitatis Sapientiae, Informatica **7,** 2 (2015) 186−199
12. Attila Biró, **Katalin Tünde Jánosi-Rancz**, László Szilágyi,Antonio Ignacio Cuesta-Vargas, Jaime Martín-Martín and Sándor Miklós Szilágyi, Visual Object Detection with DETR to Support Video-Diagnosis Using Conference Tools, Applied Science, 2022, 12(12), 5977; https://doi.org/10.3390/app12125977 (This article belongs to the Section Computing and Artificial Intelligence)
13. Attila Biró, **Katalin Tünde Jánosi-Rancz** and László Szilágyi: Real-time Artificial Intelligence Text Analysis for Identifying Burnout Syndromes in High-Performance Athletes, SAMI 2024, Slovakia January 25-27, 2024, IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics

C3. Lucrări ştiinţifice publicate în reviste din străinătate (altele decât cele menţionate anterior).

1. *Varga, V., **K. T. Janosi Rancz,*** A Software Tool to Transform Relational Databases in Order to Mine Functional Dependencies in it Using Formal Concept Analysis, Proceedings of the Sixth International Conference on Concept Lattices and Their Applications, 21-23 oct. 2008, 1-9

C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS (altele decât cele din baze de date internaţionale).

C5. Lucrări ştiinţifice publicate în reviste, altele decât cele menţionate anterior

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

D. Traduceri de cărţi, capitole de cărţi, alte lucrări ştiinţifice -

E. Editare, coordonare de volume -

F. Invenţii.-

G. Contracte de cercetare (menţionaţi calitatea de director sau membru)

2005-2006, "Differenciálgeometriai vizsgálatok számítógépi grafikai és számítógépi algebrai támogatással" - membru, în cadrul Institutului Programelor de Cercetare al Fundaţiei Sapientia, Conducător: R.Olah Gal
2006-2007 Institutul Programelor de Cercetare al Fundaţiei Sapientia, Bursă de doctorand
2007-2008 Institutul Programelor de Cercetare al Fundaţiei Sapientia, Bursă de doctorand
2008-2009 Institutul Programelor de Cercetare al Fundaţiei Sapientia, Bursă de doctorand
2015-2016 Data-mining si sentiment-analysis in retele de socializare pentru a imbunatati sistem-managementul universitatilor, Institutului Programelor de Cercetare al Fundaţiei Sapientia, Conducător: Zoltán Kátai

H. Creaţia artistică

H1 Participări la manifestaţii artistice internaţionale -
H2. Participări la manifestaţii artistice naţionale -
H3. Expoziţii, filme, spectacole, concerte, discuri de autor, opere internaţionale -
H4. Expoziţii, filme, spectacole, concerte, discuri de autor, opere naţionale -
H5. Produse cu drept de proprietate intelectuală în domeniul artistic -

I. Premii, distincţii. -

J. Citări

1. *K. T. Janosi Rancz,.V. Varga*
A method for mining functional dependencies in relational database design using FCA. Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 1, (2008) 17-28, ISSN: 1224-869X

a) Ravi Ramdoyal, Jean-Luc Hainaut, Interactively eliciting database constraints and dependencies, Proceeding CAiSE'11 Proceedings of the 23rd international

conference on Advanced information systems engineering, **Springer-Verlag**, Pages 184-198, ISBN: 978-3-642-21639-8, 2011
b) VK Verma, P Sharma. Data Dependencies Mining In Database by Removing Equivalent Attributes, **Isroset-Journal**, International Journal of Scientific Research in Computer Science and Engineering, Volume-01 , Issue-04, 7-11, 2013
c) Marcin Michal Mironczuk, Application of formal concept analysis for information extraction system analysis, Publisher Wojskowa Akademia Techniczna im. Jaroslawa Dabrowskiego Journal Biuletyn Wojskowej Akademii Technicznej, ISSN 0366-4988, Vol. 61, nr 3, 270—293, 2012
d) Ravi Ramdoyal, Reverse Engineering User-Drawn Form-Based Interfaces for Interactive Database Conceptual Analysis, PhD Thesis, University of Namur, Belgia, 2010
e) Marcin Michal Mironczuk, The Method of Designing the Knowledge Database and Rules for a Text Segmentation Tool Based on Formal Concept Analysis, Journal "Bezpieczenstwo i Technika Pozarnicza/Safety & Fire Technique", BiTP Vol. 34 Issue 2, 2014, pp. 93-103, DOI:10.12845/bitp.34.2.2014.9
f) Dhanyamol Antony, Rejimoan R. and Vinod Chandra S. S, A Review on Mining Functional Dependencies in Database, International Journal of Applied Engineering Research - IJAER, (ISSN: 0973-4562), Vol.8, No. 4. Pages. 313-322, June 2013
g) H Ferchichi, J Akaichi, Using Mapreduce for Efficient Parallel Processing of Continuous K nearest Neighbors in Road Networks, 2016, IBIMA Publishing, Journal of Software & Systems Development
http://www.ibimapublishing.com/journals/JSSD/jssd.html
Vol. 2016 (2016), Article ID 356668, 16 pages
DOI: 10.5171/2016.356668
h) SA Babi, Conceptual based hidden data analytics and reduction method for system interface enhancement through handheld devices, 2016, Qatar University (Qatar), ProQuest Dissertations Publishing, 2016. 10190494.
i) H Ferchichi, J Akaichi , A formal concept analysis based approach for continuous k-nearest neighbour search in road networks, Networks, 2016 International Symposium on Computers and Communications (ISNCC), Publisher: IEEE
Electronic ISBN: 978-1-5090-0284-9
Print on Demand(PoD) ISBN: 978-1-5090-0285-6
DOI: 10.1109/ISNCC.2016.7746065
j) R Prajapati, VK Verma, Improving TANE Algorithm to Reduce Dependency and Search Space - International Journal of Science Technology Management and Research, Volume 3, Issue 6, June 2018, p.3-34, ijstmr.com, ISSN (online): 2456-0006
k) M Mirończuk, Wykorzystanie formalnej analizy pojęć do analizy dziedzinowych danych tekstowych, Biuletyn Wojskowej Akademii Technicznej, 2012 - yadda.icm.edu.pl, Vol. 61, nr 3, p. 270-293
l) M Mirończuk, Metoda projektowania bazy wiedzy oraz reguł segmentatora regułowego oparta o formalną analizę pojęć, - BITP, 2014 - irbis-nbuv.gov.ua
m) Rakhi Prajapati, V. Verma, Improving TANE Algorithm to Reduce Dependency and Search Space, Semantic Scholar, https://www.semanticscholar.org/paper/Improving-TANE-Algorithm-to-Reduce-Dependency-and-Prajapati-Verma/ea4699629f8f3b4618befb85ff601743908baf43?sort=relevance&citedPapersSort=relevance&citedPapersLimit=10&citedPapersOffset=10

m) D. Francisco Javier Bermúdez Ruiz, Un Enfoque de Reingeniería de Datos Dirigido por Modelos, An Approach for Model-Driven Data Reengineering, Doktori tezis, University of Murcia, January 2016

2. ***K. T. Janosi Rancz,*** *V. Varga, J. Puskas*
A Soft Tool for Relational Database Design using Formal Concept Analysis, 7th Joint Conference on Mathematics and Computer Science Cluj, 3-6 July 2008, Studia Universitatis "Babes-Bolyai" Cluj-Napoca, Informatica, vol. LIII, No. 2, (2008) 67-78, ISSN: 1224-869X
   a) Ravi Ramdoyal, Reverse Engineering User-Drawn Form-Based Interfaces for Interactive Database Conceptual Analysis, PhD Thesis, University of Namur, Belgia, 2010
   b) Ramdoyal R., Hainaut JL. (2011) Interactively Eliciting Database Constraints and Dependencies. In: Mouratidis H., Rolland C. (eds) Advanced Information Systems Engineering. CAiSE 2011. Lecture Notes in Computer Science, vol 6741. Springer, Berlin, Heidelberg, DOI https://doi.org/10.1007/978-3-642-21640-4_15
   c) M. S. Ishwarya & Ch. Aswani Kumar: Quantum Aspects of High Dimensional Conceptual Space: a Model for Achieving Consciousness, Cognitive Computation volume 12, pages 563–576(2020), SpringerLink
   d) S. Jain, Seeja K.R., Rajni Jindal, A new method for semantic similarity assessment using fuzzy formal concept analysis & fuzzy set similarity measure, International Journal of Recent Technology and Engineering (IJRTE)
   ISSN: 2277-3878, Volume-7 Issue-4, November 2018

3. ***K. T. Janosi-Rancz****, V. Varga and T. Nagy*
Detecting XML Functional Dependencies through Formal Concept Analysis, 14th East European Conference on Advances in Databases and Information Systems (ADBIS), Novi Sad, Serbia, LNCS 6295, pp 595-598, 2010.
   a) Ping Yan, Teng Lv, Weimin He, and Xiuzhen Wang. Functional Dependencies and Lossless Decompositions of Uncertain XML Datasets. In Proceedings of International Conference on Computer Science and Information Technology, CSIT 2013, Kunming, China, September, 2013, Advances in Intelligent Systems and Computing, **Springer**, Volume 255, pp. 777-783, 2014
   b) Teng Lv, Weimin He, and Ping Yan, Uncertain XML Functional Dependencies Based on Tree Tuple Models. WAIM Workshops, volume 7419 of Lecture Notes in Computer Science, page 340-349. **Springer**, 2012
   c) S Kwashie, Distance-based dependencies : discovery and extension, Thesis (PhD)--University of South Australia, 2016.
   d) P Yan, T Lv, W He, Probabilistic XML functional dependencies based on possible world model, Computer Modelling & New Technologies 2014 18(10) 232-238, , SSN 1407-5806
   ISSN 1407-5814 (on-line)

4. Varga, V., **Janosi Rancz, K. T**., A Software Tool to Transform Relational Databases in Order to Mine Functional Dependencies in it Using Formal Concept Analysis, Proceedings of the Sixth International Conference on Concept Lattices and Their Applications, 21-23 oct. 2008, 1-9
   a) J. Poelmans, D. I. Ignatov, S. O. Kuznetsov, G. Dedene: Formal concept analysis in knowledge processing: A survey on applications, Expert Systems with Applications, **ELSEVIER**, Volume 40, Issue 16, 6538-6560, 2013

b) Ravi Ramdoyal, Jean-Luc Hainaut, Interactively eliciting database constraints and dependencies, Proceeding CAiSE'11 Proceedings of the 23rd International Conference on Advanced Information danalizg, **Springer-Verlag**, Pages 184-198, ISBN: 978-3-642-21639-8, 2011

c) FJB Ruiz, JG Molina, OD García: On the application of model-driven engineering in data reengineering, **Information Systems**, 2017, Vol. 72, pp. 136-160 – Elsevier, Cat A

d) Francisco Javier Bermúdez Ruiz, An Approach for Model-Driven Data Reengineering, University of Murcia, January 2016, Doctoral Thesis*D.*

5. Ignatov, **K. T. Janosi-Rancz**, S. Kuznetsov: Towards a framework for near-duplicate detection in document collections based on closed sets of attributes. Acta Universitatis Sapientiae, Informatica, **1**, 2 (2009) 215-233, Zbl 1190.68021, io-port 05605533

   a) L Ren, Q Xu, Near Duplicate Document Detection: Mathematical Modeling and Algorithms, Technical, 2012, DOI: 10.13140/RG.2.1.2040.0245

   b) Ignatov D.I. (2015) Introduction to Formal Concept Analysis and Its Applications in Information Retrieval and Related Fields. In: Braslavski P., Karpov N., Worring M., Volkovich Y., Ignatov D. (eds) Information Retrieval. RuSSIR 2014. Communications in Computer and Information Science, vol 505. Springer, Cham. https://doi.org/10.1007/978-3-319-25485-2_3

6. Tibor Kiss, **Katalin Tünde Jánosi-Rancz**, Developing railway interlocking systems with session types and Event-B, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics, 2016, p. 93-98
   DOI: 10.1109/SACI.2016.7507347

   a) P Stankaitis, A Iliasov, Theories, Techniques and Tools for Engineering Heterogeneous Railway Networks, International Conference on Reliability, Safety and Security of Railway Systems RSSRail 2017 Reliability, Safety, and Security of Railway Systems. Modelling, Analysis, Verification, and Certification, pp 241-250, **SPRINGER**

   b) P Stankaitis, A Iliasov, Safety Verification of Modern Railway Signalling with the SafeCap Platform, October 2017, Conference: 2017 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW)
   DOI10.1109/ISSREW.2017.66

   c) C Saksupawattanakul, W Vatanawood, Automatic Transformation of Ordinary Timed Petri Nets into Event-B for Formal Verification, Engineering Journal, 2018 - engj.org, ISSN: 0125-8281, DOI https://doi.org/10.4186/ej.2018.22.4.161

   d) Paulius Stankaitis, Dr Alexei Iliasov, Professor Alexander Romanovsky: Modelling hybrid train speed controller using proof and refinement, Conference Proceedings, The 24th International Conference on Engineering of Complex Computer Systems, Pages: 1-6, 2019

   e) Marie Farrel: Event-B in the Institutional Framework: Defining a Semantics, Modularisation,Constructs and Interoperability for a Specification Language, Doctoral Thesis, 2017

   f) Paulius Stankaitis, Guillaume Dupont, Neeraj Kumar Singh,Yamine Aït-Ameur, Alexei Iliasov, Alexander Romanovsky: Modelling Hybrid Train Speed Controller using Proof and Refinement, Conference: 2019 24th

International Conference on Engineering of Complex Computer Systems (ICECCS). DOI: 10.1109/ICECCS.2019.00019

g) Kadakolmath, Lokanna & Ramu, Umesh. (2021). A Survey on Formal Specification and Verification of Smart Mass Transit Railway Interlocking System. International Journal of Safety and Security Engineering. 11. 671-682. 10.18280/ijsse.110607.

h) Yi Li, Meng Sun, Challenges Engaging Formal CBSE in Industrial Applications, International Conference on Formal Aspects of Component Software, FACS 2023: Formal Aspects of Component Software, Lecture Notes in Computer Science book series (LNCS,volume 14485)

7. **K.T. Janosi-Rancz**, A.Lajos, Semantic Data Extraction, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania, ELSEVIER, Procedia Technology, Volume 19, 2015, Pages 827–834

a) U Kumaresan, K Ramanujam, Web Data Extraction from Scientific Publishers' Website Using Heuristic Algorithm, International Journal of Intelligent Systems and Applications; Hong Kong Vol. 9, Iss. 10, (Oct 2017): 31.
ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online)
DOI: 10.5815/ijisa

b) B Umamageswari, R Kalpana, Web Data Extraction from Retailers' Site using Semantic Density and Case Based Reasoning, ICIA-16 Proceedings of the International Conference on Informatics and Analytics, ICPS: **ACM** International Conference Proceeding Series,
ACM New York, NY, USA ©2016
ISBN: 978-1-4503-4756-3 doi>10.1145/2980258.2980265

c) U Baskaran, K Ramanujam, [HTML] Automated scraping of structured data records from health discussion forums using semantic analysis, Informatics in Medicine Unlocked, Volume 10, 2018, Pages 149-158, Elsevier, https://doi.org/10.1016/j.imu.2018.01.003

d) Umamageswari Kumaresan, Kalpana Ramanujam, A Framework for Automated Scraping of Structured Data Records From the Deep Web Using Semantic Labeling: Semantic Scraper, International Journal of Information Retrieval Research (IJIRR) 12(1), 2022, Pages: 18. DOI: 10.4018/IJIRR.290830

8. Viorica Varga, **Katalin Tünde Jánosi-Rancz**, Balázs Kálmán, Conceptual Design of Document NoSQL Database with Formal Concept Analysis, Acta Polytechnica Hungarica, Journal of Applied Sciences, Volume 13, Number 2, p. 229-248, 2016
DOI: 10.12700/APH.13.2.2016.2.13

a) AA Imam, S Basri, R Ahmad, N Aziz, New Cardinality Notations and Styles for Modeling NoSQL Document-store Databases, Published in: Region 10 Conference, TENCON 2017 - 2017 IEEE
Electronic ISBN: 978-1-5090-1134-6, USB ISBN: 978-1-5090-1133-9
Print on Demand(PoD) ISBN: 978-1-5090-1135-3, Electronic ISSN: 2159-3450
DOI: 10.1109/TENCON.2017.8228332

b) AA Imam, S Basri, R Ahmad, Schema Proposition Model for NoSQL Applications, International Conference of Reliable Information and Communication Technology IRICT, Recent Trends in Data Science and Soft Computing, AISC, volume 843, pp 30-39, 2018 – Springer

c) Mohamad HasanEvgeny PanidiVladimir Badenko, Comparative Evaluation Of Nosql And Relational Databases Performance While Analyzing Semi-

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K. Alte realizări semnificative

Alte realizări semnificative (Referent ştiinţific, Recenzii, etc)

- Recenzii la revista internaţională de specialitate cotată ISI, Theoretical Computer Science, 2014 -

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