

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

NUMELE ȘI PRENUMELE: Jánosi-Rancz Katalin Tünde

I. LISTA PUBLICAȚIILOR RELEVANTE

2014

9. K.T. Janosi-Rancz, A.Lajos, Semantic Data Extraction, Lucrare acceptată la The 8th International Conference INTER-ENG 2014, Interdisciplinarity in Engineering, 9 - 10 October 2014, "Petru Maior" University of Tîrgu Mureș, Romania. În curs de apariție în ELSEVIER, Procedia Technology, ISI Proceedings

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, ISI Proceedings

[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), Novi Sad, Serbia, LNCS 6295, pp 595--598, 2010. ISI Proceedings

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

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 și prenumele: János-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. Cărți publicate -

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

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

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

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

B5. Capitole de cărți publicate în străinătate

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI -

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și 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, **ISI Proceedings**
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. **ISI Proceedings**
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, The 8th International Conference INTER-ENG 2014, Interdisciplinarity in Engineering, 9 - 10 October 2014, "Petru Maior" University of Tîrgu Mureş, Romania. În curs de apariție în Procedia Technology, ELSEVIER, ISI Proceedings
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

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate 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 științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

C6. Lucrări științifice publicate în volumele manifestărilor științifice

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice -

E. Editare, coordonare de volume -

F. Inventii.-

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

2005-2006, "Diferenciálgeometriai vizsgálatok számítógépi grafikai és számítógépi algebrai támogatással" - membru, în cadrul Institutului Programelor de Cercetare al Fundației Sapientia, Conducător: R.Olah Gal

2006-2007 Institutul Programelor de Cercetare al Fundației Sapientia, Bursă de doctorand

2007-2008 Institutul Programelor de Cercetare al Fundației Sapientia, Bursă de doctorand

2008-2009 Institutul Programelor de Cercetare al Fundației Sapientia, Bursă de doctorand

H. Creația artistică

H1 Participări la manifestații artistice internaționale -

H2. Participări la manifestații artistice naționale -

H3. Expoziții, filme, spectacole, concerte, discuri de autor, opere internaționale -

H4. Expoziții, filme, spectacole, concerte, discuri de autor, opere naționale -

H5. Produse cu drept de proprietate intelectuală în domeniul artistic -

I. Premii, distincții. -

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

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
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
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 Systems Engineering, **Springer-Verlag**, Pages 184-198, ISBN: 978-3-642-21639-8, 2011

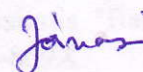
K. Alte realizări semnificative

Alte realizări semnificative (Referent științific, Recenzii, etc)

- Recenzii la revista internațională de specialitate cotate ISI, Theoretical Computer Science, 2014 -
- Recenzii la revista internațională de specialitate cotate ISI, The Arabian Journal for Science and Engineering, 2011 -
- Recenzii la revista Acta Universitatis Sapientiae - Electrical and Mechanical Engineering, 2010 -

Data, 3.01.2015

Semnătura,



* Conform H.G. 1175/ 2006