

Scientific Publications

2012

Andrews, S and Orphanides, C.: Knowledge Discovery through creating Formal Contexts. In: Xhafa, F. (ed.): Int. J. of Space-Based and Situated Computing (IJSSC), Inderscience, (in press).

Iskandar, A., D. N. F., McLeod, K. AND Burger, A.: SEMANTIC WEB SPATIAL REPRESENTATION OF BIOMEDICAL IMAGES In: Dau, F and Andrews, S: Proceedings of the second CUBIST workshop 2012. KULeuven press, 2012

Baldock, R. and Burger, A.: Biomedical Atlases: Systematics, Informatics and Analysis. In: Goryanin, I. and Goryachev A. (eds.): Advances in Systems Biology. Advances in Experimental Medicine and Biology(736). Springer. pp. 655-677

Dau, F. and Andrews, S.: Proceedings of the second CUBIST workshop 2012. KULeuven press, ISBN-Number: 9789081409933, EAN : 9789081409933, 2012 (Download link given below)

Dau, F.: TOWARDS SCALINGLESS GENERATION OF FORMAL CONTEXTS FROM AN ONTOLOGY IN A TRIPLE STORE In: Dau, F and Andrews, S: Proceedings of the second CUBIST workshop 2012. KULeuven press, 2012

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Klaï, S., Sevinç, E., Fontaine, B., Jacobs, C., Muller, C.: CUBIST: Semantic Business Intelligence Supporting Payload Operations. In: 12th International Conference on Space Operations, 11-15 June 2012, Stockholm, Sweden.

Melo, C.A., Le-Grand, B., Aufaure, M.-A.: A Conceptual Approach to Characterize Dynamic Communities in Social Networks: Application to Business Process Management, in *The 5th Workshop on Business Process Management and Social Software (BPMS2?12)*. Tallinn, Estonia, 2012.

Melo, C.A. et al: A Conceptual Approach to Gene Expression Analysis Enhanced by Visual Analytics. Accepted as full paper for the 28th Symposium On Applied Computing

Messai, N., Melo, C., Hamdaoui, M., Bui, D. and Aufaure, M.-A.: A Conceptual and Visual Approach for Complex System Simulation Data: Application to Aircraft Cabin Design, in *Concept Lattices and Applications 2012 ? (CLA 2012)*. Fuengirola, Spain, 2012 (to be published).

POLOVINA, S.: THE TRANSACTION CONCEPT IN ENTERPRISE SYSTEMS In: Dau, F and Andrews, S: Proceedings of the second CUBIST workshop 2012. KULeuven press, 2012

Pfeifer, K. and Schill, A.: Semantic Description of Text Mining Services.In: Second International Conference on Advances in Information Mining and Management, 21-26 October 2012, Venice, Italy.

2011

Andrews, S. and McLeod, K.: Gene Co-Expression in Mouse Embryo Tissues. In: Dau, F. (ed.) 1st CUBIST Workshop, at ICCS 2011, Derby, UK. CEUR Workshop Proceedings, Vol. 753, pp. 1-10. ISSN: 1613-0073

Andrews, S., Orphanides, C. and Polovina, S. (2011) Visualising Computational Intelligence through converting Data into Formal Concepts. Book Chapter. In: Bessis, N. and Xhafa, F. (eds.) Next Generation Data Technologies for Collective Computational Intelligence. Studies in Computational Intelligence (352). Berlin: Springer. pp. 139-166.

Andrews, S. (2011) In-Close2, a High Performance Formal Concept Miner. In: Andrews, S., Polovina, S., Hill, R. and Akhgar, B. (eds.): Conceptual Structures for Discovering Knowledge - Proceedings of the 19th International Conference on Conceptual Structures (ICCS) 2011. LNAI 6828. Berlin: Springer. pp. 50-62.

Aufaure, M.-A.: Graph Mining and Community Detection To be published by Springer in the LNBIP series.

Burger, A., Paschke, A., Romano, P., Marshall, M S and Splendiani, A.: Biomedical semantics in the Semantic Web In: BMC Bioinformatics 2012, 13(Suppl 1):S1

Dau, F (ed): Proceedings of the first CUBIST workshop CEUR Workshop Proceedings, Vol. 753. ISSN: 1613-0073

Downloadlink given below

Dau, F: Semantic Technologies for Enterprises (invited paper) In: Andrews, S., Polovina, S., Hill, R. and Akhgar, B. (eds.): Conceptual Structures for Discovering Knowledge - Proceedings of the 19th International Conference on Conceptual Structures (ICCS) 2011. LNAI 6828. Berlin: Springer. pp. 50-62.

Dau, F., Sertkaya, B.: An Extension of ToscanaJ for FCA-based Data Analysis over Triple Stores In: Dau, F. (ed.): Proceedings of the first CUBIST workshop, at ICCS 2011, Derby, UK, July 2011. CEUR Workshop Proceedings, Vol. 753, pp. 11-22. ISSN: 1613-0073

Dau, F., Sertkaya, B.: Formal Concept Analysis for Qualitative Data Analysis over Triple Stores Proceedings of the 1st International Workshop on Modeling and Reasoning for Business Intelligence, in conjunction with the 30th International Conference on Conceptual Modeling (ER 2011).

Dimitrov, M.: Semantic Technologies and Triplestores for Business Intelligence To be published by Springer in the LNBIP series.

Hawrylycz M, Baldock RA, Burger A, Hashikawa T, Johnson GA, et al.: Digital Atlasing and Standardization in the Mouse Brain. PLoS Comput Biol 7(2): e1001065. doi:10.1371/journal.pcbi.1001065

Melo, C.A., Aufaure, M.-A., Le Grand, B. and Bezerianos, A.: Extracting and Visualizing Tree-like Structures from Concept Lattices In: 15th International Conference on Information Visualization (IV 2011). London, UK, 2011.

Melo, C.A., Le Grand, B., Bezerianos, A. and Aufaure, M.-A.: Parent Selection Criterion for Extracting Trees from Concept Lattices In: Dau, F. (ed.): Proceedings of the first CUBIST workshop, at ICCS 2011, Derby, UK, July 2011. CEUR Workshop Proceedings, Vol. 753, pp. 23-32. ISSN: 1613-0073

Melo, C.A., Aufaure, M.-A., Bezerianos, A. and Le Grand, B.: Cubix: A Visual Analytics Tool for Formal Concept Analysis. In: 23ième Conférence Francophone Sur l'IHM (IHM 2011) ? Demo. Sophia-Antipolis, France, 2011.

Mikhailian, A., Klai, S., Muller, C., Fontaine, B., Moreau, D. and Ursik, m.: Applying Conceptual Analysis to Space Data In: Dau, F. (ed.): Proceedings of the first CUBIST workshop, at ICCS 2011, Derby, UK, July 2011. CEUR Workshop Proceedings, Vol. 753, pp. 33-42. ISSN: 1613-0073

Orphanides, C.: Exploring the Applicability of Formal Concept Analysis on Market Intelligence DataIn: Dau, F. (ed.): Proceedings of the first CUBIST workshop, at ICCS 2011, Derby, UK, July 2011. CEUR Workshop Proceedings, Vol. 753, pp. 43-52. ISSN: 1613-0073

Splendiani, A: Burger, A., Paschke, A., Romano, P. and Marshall, M S: Biomedical semantics in the Semantic WebIn: Journal of Biomedical Semantics, Vol 2, Suppl 1,

N Zaizi and A Burger, Towards spatial description of biomedical atlases 4th eHealth, November 2011, Malaga.

2010

K. McLeod, K., Ferguson, G., and Burger, A.: Argudas: arguing with gene expression information BMC Bioinformatics 2012, 13(Suppl 1):S8 doi:10.1186/1471-2105-13-S1-S8

K. McLeod, K., Ferguson, G., and Burger, A.: Argudas: arguing with gene expression information In Proceedings of the 3rd International Workshop on Semantic Web Applications and Tools for the Life Sciences, 10 December 2010, Berlin, Germany.

Andrews, S., Orphanides, C.: Knowledge Discovery through Creating Formal Contexts In Hill, R. (ed.): First International Workshop on Computational Intelligence in Networks and Systems (CINS 2010), in Xhafa, F., Demetriadis, S., Caballe, S., Abraham, A. (eds.): Second International Conference on Intelligent Networking and Collaborative Systems (INCOS 2010), pp. 455-460. ISBN: 978-0-7695-4278-2/10. DOI 10.1109/INCOS.2010.53. IEEE Computer Society, 2010.

Andrews, S. and Orphanides, C. (2010). Analysis of Large Data Sets using Formal Concept Lattices. In: Kryszkiewicz, M. and Obiedkov, S. (eds.). Proceedings of the 7th International Conference on Concept Lattices and Their Applications (CLA) 2010, ISBN 978-84614-4027-6. Seville: University of Seville. pp. 104-115

Andrews, S., Orphanides, C., Polovina, S. (2010). Visualising Computational Intelligence through Converting Data into Formal Concepts. In: Bessis, N., Xhafa, F. (eds.), Proceedings of the 1st International Workshop on Emerging Data Technologies for Collective Intelligence (EDTCI) 2010, in: Xhafa, F., Barolli, L., Nishino, H., Aleksy, M. (eds.), Proceedings of the 2010 International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3GPCIC), Fukuoka Institute of Technology, Fukuoka, Japan. ISBN 978-0-7695-4237-9/10. IEEE Computer Society. pp. 302-307.

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