Papers & Publications

Igor Wojnicki

November 3, 2008

1. Hierarchical Rule Design with HaDEs the HeKatE Toolchain. G.J. NALEPA, I. WOJNICKI. 3rd International Symposium on Advances in Artificial Intelligence and Applications (AAIA'08), Wisla, Poland, October 20-22, 2008.

2. Visual Generalized Rule Programming Model for Prolog with Hybrid Operators. G.J. NALEPA, I. WOJNICKI. Paper presented at the Proceedings of INAP2007.

3. Proposal of a Prolog-based Knowledge Wiki. G.J. NALEPA, I. WOJNICKI. 4th Workshop on Knowledge Engineering and Software Engineering (KESE 2008) at the 31th annual German conference on Artificial Intelligence: September 23, 2008, Kaiserslautern, Germany.

4. VARDA Rule Design and Visualization Tool-Chain. G.J. NALEPA, I. WOJNICKI. Paper presented at the Proceedings of KI2008 (31st Annual German Conference on Artificial Intelligence).

5. Towards Formalization of ARD+ Conceptual Design and Refinement Method, G.J. NALEPA, I. WOJNICKI. FLAIRS-21 : 21th International Florida Artificial Intelligence Research Society conference, 15–17 may 2008, Coconut Grove, Florida, USA, proceedings Menlo Park, California.

6. ARD+ Design and Visualization Tool-Chain Prototype in Prolog, G.J. NALEPA, Igor WOJNICKI. FLAIRS-21 : 21th International Florida Artificial Intelligence Research Society conference, 15–17 may 2008, Coconut Grove, Florida, USA, proceedings Menlo Park, California.

7. Concept of an Interactive Web Portal for Teaching Prolog, G.J. NALEPA, Igor WOJNICKI. FLAIRS-21 : 21th International Florida Artificial Intelligence Research Society conference, 15–17 may 2008, Coconut Grove, Florida, USA, proceedings Menlo Park, California.

8. XML-based Knowledge Translation Methods for XTT-based Expert Systems. G.J. NALEPA, Igor WOJNICKI. Paper presented at the CMS'07: Computer Methods and Systems 21–23 November 2007, Kraków, Poland.

9. Proposal of visual generalized rule programming model for Prolog. G.J. NALEPA, Igor WOJNICKI. 17th International conference on Applications of declarative programming and knowledge management (INAP 2007) and 21st Workshop on (Constraint) Logic Programming (WLP 2007), Wurzburg, Germany, October 4–6, 2007, proceedings : Technical Report 434, Wurzburg : Bayerische Julius-Maximilians-Universitat. Institut fur Informatik.

10. Prolog Hybrid Operators in the generalized rule programming model. G.J. NALEPA, Igor WOJNICKI. 17th International conference on Applications of declarative programming and knowledge management (INAP 2007) and 21st Workshop on (Constraint) Logic Programming (WLP 2007), Wurzburg, Germany, October 4–6, 2007, proceedings: Technical Report 434, Wurzburg: Bayerische Julius-Maximilians-Universitat. Institut fur Informatik.

11. Visual software modelling with extended rule-based model : a knowledge-based programming solution for general software design, G.J. NALEPA, Igor WOJNICKI, ENASE 2007: proceedings of the second international conference on Evaluation of Novel Approaches to Software Engineering : Barcelona, Spain, July 23–25, 2007, eds. Cesar Gonzalez-Perez, Leszek A. Maciaszek. INSTICC Press, cop. 2007. Second international working conference on Evaluation of Novel Approaches to Software Engineering. ISBN 978-989-8111-10-4.

12. Using UML for knowledge engineering a critical overview, G.J. NALEPA, Igor WOJNICKI, 3rd Workshop on Knowledge Engineering and Software Engineering (KESE 2007) at the 30th annual German conference on Artificial intelligence : [September 10, 2007, Osnabruck, Germany], eds. Joachim Baumeister, Dietmar Seipel.

13. Proposal of generalized rule programming model, G.J. NALEPA, Igor WOJNICKI, 3rd Workshop on Knowledge Engineering and Software Engineering (KESE 2007) at the 30th annual German conference on Artificial intelligence : [September 10, 2007, Osnabruck, Germany], eds. Joachim Baumeister, Dietmar Seipel.

14. Knowledge-based approach to the executable design concept, G.J. NALEPA, Igor WOJNICKI, 3rd Workshop on Knowledge Engineering and Software Engineering (KESE 2007) at the 30th annual German conference on Artificial intelligence : [September 10, 2007, Osnabruck, Germany], eds. Joachim Baumeister, Dietmar Seipel.

15. Filling the semantic gaps in systems engineering, G.J. NALEPA, I. WOJNICKI, 52 IWK : Internationales Wissenschaftliches Kolloquium = International Scientific Colloquium : computer science meets automation : 10-13 September 2007 : proceedings, Vol. 1, Hrsg. Peter Scharff ; Technische Universität Ilmenau. Faculty of Science and Automation. Ilmenau : TU Ilmenau. Universitatsbibliothek, cop. 2007. ISBN 978-3-939473-17-6.

16. A proposal of hybrid knowledge engineering and refinement approach, G.J. NALEPA, Igor WOJNICKI, FLAIRS-20 : proceedings of the twentieth international Florida Artificial Intelligence Research Society conference : Key West, [Florida, May 7–9, 2007], eds. David C. Wilson, Geoffrey C. J. Sutcliffe ; FLAIRS, Menlo Park, California : AAAI Press.

17. Intensional Knowledge Processing in RDBMS - Improved Performance of ReDaReS System, Igor WOJNICKI, International MultiConference of Engineers and Computer Scientists IMECS 2006, The 2006 IAENG International Workshop on Artificial Intelligence and Applications, Kowloon, Hong Kong, June 20–22, 2006.

18. Jelly View – Intensional Knowledge Processing Within Relational Database Systems, Igor WOJNICKI, in: Inżynieria wiedzy i systemy ekspertowe. T. 1, Adam Grzecha. Wrocław, Oficyna Wydawnicza Politechniki Wrocławskiej 2006. VI Krajowa Konferencja Naukowa. Inżynieria Wiedzy i Systemy Ekspertowe, Wrocław, 21 June 2006.

19. Jelly View - A Technology for Arbitrarily Advanced Queries within RDBMS, Igor WOJNICKI, Antoni LIGEZA, SAC 2005, The 20th Annual ACM Symposium on Applied Computing Santa Fe, New Mexico, March 13–17, 2005.

20. Handling Recursive Queries within RDBMS with Jelly View Technology. Some Experimental Results with the ReDaReS System, Igor WOJNICKI, Antoni LIGEZA, KAM Conference 2005, Złotniki, Poland, in Knowledge Acquisition and Knowledge Management, editors: Małgorzata Nycz, Mieczysław Lech Owoc, Wrocław 2005.

21. Jelly View: Extending Relational Database Management Systems toward Deductive Databases, Igor WOJNICKI, Computer Science AGH Journal 2004.

22. Extending Data Processing Capabilities of Relational Database Management Systems. Igor WOJNICKI, Cezary Z. JANIKOW. International Conference on Artificial Intelligence, Las Vegas, Nevada, USA, 2003.

23. Relational Database Rule System. Igor WOJNICKI, Antoni LIGEZA. The 6th World Multiconference on Systemics, Cybernetics and Informatics. Orlando, FL, USA, July 14–18 2002.

24. An Inference Engine for RDBMS. Igor WOJNICKI, Antoni LIGEZA. 6th International Conference on Soft Computing and Distributed Processing, Rzeszow, Poland, June 24–25 2002.

25. To tame Postgres, Igor WOJNICKI, Tele.Net.Forum journal, 01/2002, p. 56–60

26. Analysis, verification and design of tabular systems : logical, algebraic and graphical methods. Antoni LIGĘZA, G.J. NALEPA, Tomasz SZMUC, Marcin SZPYRKA, Piotr SZWED, Igor WOJNICKI. Automatyka. AGH Journal. — 2001

27. Graphical user interface toolkits for embedded systems based on RTLinux. Igor WOJNICKI. Real Time Operating Systems Conference SCR. Krynica, Poland, September 24–27, 2001.

28. A concept of CAD/CASE tool for computer-aided design of rule-based systems. Antoni LIGĘZA, Igor WOJNICKI, G.J. NALEPA. W: Software Engineering National Conference KKIO 2001. Otwock, Poland, October 17–20 2001.

29. RTEMS – multiplatform, multiprocessor real time operating system. Igor WOJNICKI. Real Time Operating Systems Conference SCR. Krynica, Poland, September 24–27, 2001.

30. Tab-Trees: a CASE tool for the design of extended tabular systems. Antoni LIGĘZA, Igor WOJNICKI, G.J. NALEPA. Database and expert systems applications: 12th international conference, DEXA 2001 : Munich, September 3–5, 2001.

31. Computer aided design and implementation of rule-based systems. Antoni LIGĘZA, Igor WOJNICKI, G.J. NALEPA. Software Engineering National Conference KKIO. Zakopane, Poland, October 18–20 2000.

32. Analysis of design and implementation of Real-Time Rule-Based Systems using The Kheops System. Antoni LIGĘZA, G.J. NALEPA, Igor WOJNICKI. Real Time Operating Systems Conference SCR. Kraków 2000.

33. Design And implementation of a graphical user interface for computer aided logical design of Kheops knowledge based system. Igor WOJNICKI. MSc Thesis, Institute of Automatics — Technical Univeristy — AGH, Kraków, Poland 2000.