

Abu-Khzam, F.N./ Fernau, H./ Langston, M.A. (2005): Asymptotically faster algorithms for parameterized FACE COVER. In: Algorithms and Complexity in Durham ACiD, Texts in Algorithmics series of KCL publications.

Alber, J./ Fan, H./ Fellows, M.R./ Fernau, H./ Niedermeier, R./ Rosamond, F./ Stege, U. (2005): A refined search tree techniques for PLANAR DOMINATING SET on planar graphs. Journal of Computer and System Sciences, vol. 71, pp. 385-405.

Alexandrini, Fabio/ Kessler Bortoluzzi, Mariana/ von Wangenheim, Aldo (2005): Improving Content Based Recovery on a Radiological Reports Database. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, WM2005: Professional Knowledge Management - Experiences and Visions, pages 309-315, Kaiserslautern, Germany, April 2005, German Research Center for Artificial Intelligence DFKI GmbH.

Althoff, Klaus-Dieter/ Bergmann, Ralph/ Dengel, Andreas/ Nick, Markus/ Roth-Berghofer, Thomas, editors (2005): Professional Knowledge Management: Third Biennial Conference, WM 2005, volume 3782 of LNAI, pages 293 - 303, Kaiserslautern, Germany, April 2005, Springer-Verlag GmbH.

Baum, D./ Breuer, L. (2005): An Introduction to Queueing Theory, Springer-Verlag.

Bendeck, Fawsy/ Freßmann, Andrea (2005): D2.1.0 - Socio-economic Study of User Needs. Technical Report, University of Trier, Department of Business Information Systems II, March 2005.

Bergmann, Ralph/ Freßmann, Andrea/ Sauer, Thomas (2005): Collaboration Patterns for Adaptive Software Engineering Processes. In H. Czap, R. Unland, C. Branki, and H. Tianfield, editors, Self-Organization and Autonomic Informatics (I), volume 135, pages 304-312, Amsterdam, Netherlands, November 2005, Frontiers in Artificial Intelligence and Applications (FAIA), IOS Press.

Bergmann, Ralph/ Freßmann, Andrea/ Maximini Kerstin/ Maximini, Rainer/ Sauer, Thomas (2005): CAKE - Collaborative Agent-based Knowledge Engine. Technical Report, University of Trier, Department of Business Information Systems II, July.

Biermann, Christina/ Minor, Mirjam (2005): Learning and Linking Textual Cases. In Steffi Brüninghaus, editor, ICCBR 2005 Workshop Proceedings, pages 128 -- 137, Chicago, Illinois, August, DePaul University, Chicago, USA.

Biermann, Christina/ Minor, Mirjam (2005): Case-Acquisition and Semantic Cross-Linking for Case-Based Experience Management Systems. In Du Zhang, Taghi M. Khoshgoftaar, and Mei-Ling Shyu, editors, Proceedings of the 2005 IEEE International Conference on Information Reuse and Integration (IRI-2005), pages 433 -- 438, IEEE Systems, Man and Cybernetics Society (SMC).

Bordihn, H./ Fernau, H. (2005): The degree of parallelism. In C.~Mereghetti, B.~Palano, G.~Pighizzini and D.~Wotschke (editors): Descriptive Complexity of Formal Systems 7th Workshop DCFS 2005. Università di Milano, Dipartimento di Informatica e Comunicazione, Rapporto Tecnico 06-05, pp. 51-62.

Brankovi'c, L./ Fernau, H. (2005): Approximability of a $\{0,1\}$ -matrix problem. In P. Manyem, M. Miller and J. Ryan (editors): 16th Australasian Workshop on Combinatorial Algorithms AWOCA 2005.

Chen, J./Fernau, H./Kanj, I.A./Xia, G. (2005): Parametric duality and kernelization: lower bounds and upper bounds on kernel size. In V. Diekert and B. Durand (editors): Symposium on Theoretical Aspects of Computer Science STACS 2005, vol. 3404 of LNCS, pp. 269-280. Berlin: © Springer.

Czap, Hans (2005): Self- Organization and Autonomic Informatics (i). Volume 135 Frontiers in Artificial Intelligence and Applications. Edited by: H. Czap, R. Unland, C. Branki and H. Tianfield, 2005, 396pp.

Czap, Hans (2005): Utility-based Agents for Hospital Scheduling: A Conjoint-Analytical Approach. In: Proceedings of Multi-Agent Systems for Medicine, Computational Biology and Bioinformatics MAS*BIOMED workshop at Autonomous Agents & Multi Agents Conference AAMAS 05 (together with Marc Becker, Malte Poppensieker, Alexander Stotz)

Czap, Hans (2005): Estimating Utility-Functions for Negotiating Agents: Using Conjoint Analysis as an Alternative Approach to Expected Utility Measurement. In: Proceedings of Third German Conference of Multi-Agent System Technologies (MATES 05), (together with Marc Becker, Malte Poppensieker, Alexander Stotz), Koblenz 2005, S94- 105.

Czap, Hans (2005): Artificial Software Agents as Representatives of their Human Principals in Operating-Room-Team-Forming. Erscheint in: Kirn et al. (Hrsg.): Multiagent System- Intelligent Applications and Flexible Solutions (zusammen mit Marc Becker). Springer, Berlin et al. 2006.

Fernau, H. (2005): Two-layer planarization: improving on parameterized algorithmics. In P. Vojtas et. al. (editors): SOFSEM 2005: Theory and Practice of Computer Science, vol. 3381 of LNCS, pp. 137-146. Berlin: © Springer.

Fernau, H./Freund, R./Holzer, M. (2005): Representations of recursively enumerable array languages by contextual array grammars. Fundamenta Informaticae, vol. 64, pp. 159-170.

Fernau, H./ Freund, R./ Oswald, M./ Reinhardt, K. (2005): Refining the nonterminal complexity of graph-controlled grammars. In C.~Mereghetti, B.~Palano, G.~Pighizzini and D.~Wotschke (editors): Descriptive Complexity of Formal Systems 7th Workshop DCFS 2005. Universita di Milano, Dipartimento di Informatica e Comunicazione, Rapporto Tecnico 6-05, pp. 110-121.

Fernau, H. (2005): Algorithms for learning regular expressions. In S. Jain, H.-U. Simon and E. Tomita (editors): Algorithmic Learning Theory ALT 2005, vol. 3734 of LNCS/LNAI, pp. 297-311. Berlin: © Springer.

Fernau, H. (2005): Two-layer planarization: improving on parameterized algorithmics. Journal of Graph Algorithms and Applications, vol. 9, pp. 205-238.

Fernau, H./ Kaufmann, M./ Poths, M. (2005): Comparing trees via crossing minimization. In R. Ramanujam and Sandeep Sen (editors): Foundations of Software Technology and Theoretical Computer Science FSTTCS 2005, vol. 3821 of LNCS, pp. 457-469. Berlin: © Springer.

Freßmann, Andrea/ Maximini, Rainer/ Sauer, Thomas (2005): Towards Collaborative Agent-Based Knowledge Support for Time-Critical and Business-Critical Processes. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, Professional Knowledge Management: Third Biennial Conference, WM 2005, volume 3782 of LNAI, pages 420-430, Kaiserslautern, Germany, April 2005, Springer-Verlag Berlin Heidelberg.

Freßmann, Andrea/ Maximini Kerstin/ Maximini, Rainer/ Sauer, Thomas (2005): CBR-based Execution and Planning Support for Collaborative Workflows. In Workshop "Similarities - Processes - Workflows" on the Sixth International Conference on Case-Based Reasoning (ICCBR 2005), pages 271-280, Chicago, Illinois (USA), August 2005.

Freßmann, Andrea/ Maximini Kerstin/ Maximini, Rainer/ Sauer, Thomas (2005): Collaborative Agent-based Knowledge Support for Empirical and Knowledge-intensive Processes. In MATES 2005 / CIA 2005, volume 3550 of LNAI, Koblenz, Germany, September 2005, Springer-Verlag.

Freßmann, Andrea/ Maximini, Rainer/ Sauer, Thomas (2005): Towards Collaborative Agent-based Knowledge Support for Agile Projects. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, WM2005: Professional Knowledge Management Experiences and Visions, pages 383-388, Kaiserslautern, April 2005, German Research Center for Artificial Intelligence DFKI GmbH.

Frey, H./ Görgen, D. (2005): Planar Graph Routing on Geographical Clusters erschienen in: Ad Hoc Networks, Special issue on Data Communications and Topology Control in Ad Hoc Networks, 2005, Vol. 3, No. 5, Seite 560-574

Frey, H. (2005): Geographical Cluster Based Routing with Guaranteed Delivery erschienen in: Proc. of the 2nd IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS 2005), Washington DC

Frey, H./ Görgen, D. (2005): Geographical Cluster based routing in sensing-covered networks erschienen in: Proc. of the 2nd International Workshop on Wireless Ad Hoc Networking (WWAN 2005), Columbus, Ohio

Goldschmidt AJW, Kalbitzer M, Eckhardt J (Hrsg.): Praxishandbuch Medizincontrolling. Hüthig / Economica, Heidelberg, 2005 (ISBN 3-87081-350). Buch (Herausgeber).

Goldschmidt AJW, Goldschmidt S, Pohl B, Rathgeber A: Rolle und Einordnung des Medizincontrollings. In: Goldschmidt AJW, Kalbitzer M, Eckhardt J (Hrsg.): Praxishandbuch Medizincontrolling. Hüthig / Economica, Heidelberg, 1. Auflage 2005 (ISBN 3-87081-350): 1-32.

Goldschmidt AJW, Grotowski Th: Due Diligence und Unternehmensbewertung. In: Goldschmidt AJW, Kalbitzer M, Eckhardt J (Hrsg.): Praxishandbuch Medizincontrolling. Hüthig / Economica, Heidelberg, 1. Auflage 2005 (ISBN 3-87081-350): 257-272.

Goldschmidt A, Bernsmann K, Ernestus R: Exemplarische Prozessbrüche im Krankenhaus - Juristische Folgen und resultierende Dokumentations und Kommunikations-Anforderungen. In: Klar R, Köpke W, Kuhn K, Lax H, Weiland S, Zaiss A: GMDS-DAE 2005: 282-284.

Goldschmidt AJW, Krings J: Wann scheitern oder gelingen Verkauf/Kauf und Fusionen von Krankenhäusern? Erfolgs- und Misserfolgskriterien. In: Klar R, Köpke W, Kuhn K, Lax H, Weiland S, Zaiss A: GMDS-DAE 2005: 293-295.

Goldschmidt AJW, Grotowski Th: Due Diligence und Unternehmensbewertung .In: Fischer H, Gerhardt, Greulich A, Räßle Th, Schneider E, Thiele G, Ulmer H-U, Degener-Hencke U (Hrsg.): Management Handbuch Krankenhaus. Hüthig / Economica, 66. Aktualisierung, Heidelberg 2005: 717.1-717.14.

Goldschmidt AJW, Händel A: Prozessbrüche im Krankenhaus und QM-Lösungsansätze. Forum der Medizin_Dokumentation und Medizin_Informatik, mdi, 3/2005: 94-96 (ISSN 1438-0900).

Goldschmidt AJW: Elektronische Gesundheitskarte - 'Es darf keine faulen Kompromisse geben'. Software Quality News, SQS Köln (www.sqs-group.com), 1/2005: 7. (Interview).

Görgen,D./ Frey, H./ Hutter, Ch. (2005): Information dissemination based on the en-passant communication pattern erschienen in: Proc. of Kommunikation in Verteilten Systemen, Kaiserslautern (KiVS05), Seite 129-141

Hanft, Alexandre/ Minor, Mirjam (2005): A Low-Effort, Collaborative Maintenance Model for Textual CBR. In Steffi Brüninghaus, editor, ICCBR 2005 Workshop Proceedings, pages 138 -- 149, Chicago, Illinois, August 2005, DePaul University, Chicago, USA.

Hornung G, Goetz Ch, Goldschmidt AJW: Die künftige Telematik-Rahmenarchitektur im Gesundheitswesen Recht, Technologie, Infrastruktur und Ökonomie. Wirtschaftsinformatik 47 (2005) 3: 171-179 (ISSN 0937-6429).

Köppen, Sandro/ Minor, Mirjam (2005): Design of Geologic Structure Models with Case Based Reasoning. In Ulrich Furbach, editor, KI2005: Advances in Artificial Intelligence. Proceedings, LNAI 3698, pages 79 -- 91, 2005, Springer-Verlag.

Maximini, Kerstin/ Muscholl, Marita (2005): Workshop on Current Aspects of Knowledge Management in Medicine (KMM05). In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, Professional Knowledge Management: Third Biennial Conference, WM 2005, Kaiserslautern, Germany, April 10-13, 2005, Revised Selected Papers, volume 3782 of LNCS, pages 316 - 318, Dezember 2005, Springer-Verlag.

Maximini, Kerstin/ Muscholl, Marita (2005): Workshop on Current Aspects of Knowledge Management in Medicine (KMM05). In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, WM2005: Professional Knowledge Management - Experiences and Visions, pages 287-288, Kaiserslautern, Germany, April 2005, German Research Center for Artificial Intelligence DFKI GmbH.

Maximini, Rainer/ Schaaf, Martin/ Tartakovski, Alexander (2005): Applying Generalized Cases to Retrieval and Configuration of Life Insurance Policies. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, Professional Knowledge Management: Third Biennial Conference, WM 2005, volume 3782 of LNAI, pages 293 - 303, Kaiserslautern, Germany, April 2005, Springer-Verlag GmbH.

Maximini, Rainer/ Schaaf, Martin/ Tartakovski, Alexander (2005): Optimization Based Retrieval and Configuration of Temporary Life Insurance Policies. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, WM2005: Professional Knowledge Management, Experience and Visions, pages 269-274, Kaiserslautern, April 2005, German Research Center for Artificial Intelligence DFKI GmbH.

Minor, Mirjam (2005): Assistant Agents With Personal Ontologies. In Juriaan van Diggelen, Virginia Dignum, Ludger van Elst, and Andreas Abecker, editors, Proceedings of AAMAS 2005 Workshop AMKM-2005, pages 41 -- 51, Utrecht, The Netherlands , July 2005, Universiteit Utrecht, The Netherlands.

Minor, Mirjam (2005): Introduction Strategy and Feedback from an Experience Management Project. In Klaus-Dieter Althoff, Andreas Dengel, Ralph Bergmann, Markus Nick, and Thomas Roth-Berghofer, editors, Professional Knowledge Management. WM 2005 post-conference proceedings., LNAI 3782, pages 284 -- 292, Springer-Verlag.

Muscholl, M. (2005): „Anforderungen an die Informationsverarbeitung im Gesundheitswesen“ in: Eckardt, J., Sens, B. (Hrsg.): Praxishandbuch Integrierte Behandlungspfade, Economica-Verlag Heidelberg, 125-168.

Muscholl, M. (2005): „The “Integrated Clinical Pathway Approach“ – Current Requirements to Knowledge Management in Health Information Systems” in: Althoff, K.-D. et al. (Eds.): WM2005: Professional Knowledge Management Experiences and Visions, Proceedings, Kaiserslautern, 293-298.

Muscholl, M. (2005): “Integrated Clinical Pathways in Health Information Systems – An Architectural Concept”, in: Althoff, K.-D. et al. (Eds.), “Professional Knowledge Management”, Lecture Notes in Artificial Intelligence 3782, Springer-Verlag Berlin Heidelberg, 349-359.

Sturm, P. (2005): Eine Computer-AG für hochbegabte Kinder erschienen in: "Bildungsentwicklungsland Deutschland?", Herausgeber K. Zey-Wortmann, D. Dietrich, M. Reinsch, Bertuch-Verlag, 2005, Seite 49ff