

List of Publications and Invited Talks

Prof. Dr. rer. nat. Jürgen Dix*

Clausthal University of Technology
Department of Informatics
Chair for Computational Intelligence

Julius-Albert-Str. 4

D-38678 Clausthal, Germany

`dix@tu-clausthal.de`

`http://cig.in-tu-clausthal.de`

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Abstract

This document contains a list of 405 publications (more than 130 in refereed journals and conferences) and a list of 75 invited talks. The publications consist of 37 books and invited articles in books, 66 journal publications, 14 invited tutorials, 67 papers in refereed conferences, 73 additional papers, and 148 supervised papers. My DBLP count is currently at 142. I am mentioned in the list of the most cited authors in computer science (citeseer). My Hirsch-index is 30, my Erdős number is 3.

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*Other affiliations: member of the Institut für Informationssysteme, Technische Universität Wien, Paniglgasse 16, 1040 Wien, Österreich (`dix@kr.tuwien.ac.at`).

1 Books and Invited Articles in Books (37)

Edited Books (22)

1991

- [1] Jürgen Dix, Klaus-Peter Jantke, and Peter H. Schmitt, editors. *Nonmonotonic and Inductive Logic, Proceedings of the first International Workshop, Karlsruhe, Germany, 1990*. Lecture Notes in Artificial Intelligence 543. Springer, October 1991. 243 pages .

1995

- [2] Jürgen Dix, Luis Moniz Pereira, and Teodor Przymusiński, editors. *Non-Monotonic Extensions of Logic Programming: Theory, Implementation and Applications*. Lecture Notes in Artificial Intelligence 927. Springer, April 1995. 230 pages .

1997

- [3] Jürgen Dix, Luis Moniz Pereira, and Teodor Przymusiński, editors. *Non-Monotonic Extensions of Logic Programming: Theory, Applications and Implementations*. Lecture Notes in Artificial Intelligence 1216. Springer, April 1997. 238 pages .
- [4] Jürgen Dix, Ulrich Furbach, and Anil Nerode, editors. *Logic Programming and Nonmonotonic Reasoning, Proceedings of the fourth International Conference, Dagstuhl, Germany, 1997*. Lecture Notes in Artificial Intelligence 1265. Springer, July 1997. 460 pages .

1998

- [5] Jürgen Dix, Luis Moniz Pereira, and Teodor Przymusiński, editors. *Logic Programming and Knowledge Representation*. Lecture Notes in Artificial Intelligence 1471. Springer, August 1998. 255 pages .
- [6] Jürgen Dix, Luis Farinas del Cerro and Ulrich Furbach, editors. *Logics in Artificial Intelligence, European Workshop, JELIA '98, Schloss Dagstuhl, Germany, 1998*. Lecture Notes in Artificial Intelligence 1489. October 1998. 401 pages .

2004

- [7] Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Programming Multi Agent Systems, ProMAS '03, Post-WS Proceedings*. Lecture Notes in Artificial Intelligence, 3067, Springer, 2004. 221 pages .
- [8] Jürgen Dix, Joao Leite, editors. *Computational Logic and Multi-Agent Systems, Post Conference Proceedings of CLIMA IV*. Lecture Notes in Artificial Intelligence 3259. Springer, August 2004.

2005

- [9] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Programming Multi Agent Systems, ProMAS '04, Post-WS Proceedings*. Lecture Notes in Artificial Intelligence, 3346. Springer, May 2005.
- [10] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Programming Multi Agent Systems: Languages, Platforms and Applications*, Multiagent Systems, Artificial Societies, and Simulated Organizations, Number 15. Springer, August 2005.

2006

- [11] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Programming Multi Agent Systems, ProMAS '05, Post-WS Proceedings*. Lecture Notes in Artificial Intelligence, 3862. Springer, March 2006.
- [12] Jürgen Dix and Stephen Hegner, editors. *Foundations of Knowledge-Based systems, Conference Proceedings FOIKS 06*. Lecture Notes in Computer Science 3861. Springer, January 2006.
- [13] Jürgen Dix and Thomas Eiter and Enrico Franconi, editors. *04171 Abstracts Collection – Logic Based Information Agents*. Dagstuhl Seminar Proceedings, Schloss Dagstuhl, Germany. March 2006. ISSN 1862-4405.
- [14] Jürgen Dix, editor. *Biennial Report 2004/2005 of the Department of Informatics at Clausthal University of Technology*. Papierflieger Verlag GmbH, ISBN 3-89720-845-8, March 2006.
- [15] Jürgen Dix and Anthony Hunter, editors. *Proceedings of Nonmonotonic Reasoning Workshop '06*. Technical Report Series IfI-06-04, Dept. of Informatics, Clausthal University of Technology, ISBN 3-89720-845-8, May 2006.

2007

- [16] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Programming Multi Agent Systems, ProMAS '06, Post-WS Proceedings*. Lecture Notes in Artificial Intelligence, 4411. Springer, March 2007.

2008

- [17] Jürgen Dix, editor. *Biennial Report 2006/2007 of the Department of Informatics at Clausthal University of Technology*. Papierflieger Verlag GmbH, ISBN 978-3-89720-954-1, April 2008.

2009

- [18] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Multi-Agent Tools: Languages, Platforms and Applications*, Springer, ISBN 978-0-387-89298-6, June 2009.

2010

- [19] Jürgen Dix, Michael Fisher, Peter Novák, editors. *Computational Logic and Multi-Agent Systems, Post Conference Proceedings of CLIMA X*. Lecture Notes in Artificial Intelligence 6214. Springer, 2010.
- [20] Jürgen Dix, Guido Governatori, Wojtek Jamroga, Joao Leite, editors. *Computational Logic and Multi-Agent Systems, Conference Proceedings of CLIMA XI*. Lecture Notes in Artificial Intelligence 6245. Springer, 2010.
- [21] Jürgen Dix, Cees Witteveen, editors. *Proceedings of the Eighth International Workshop on Multi Agent Systems (MATES '10)*. Lecture Notes in Artificial Intelligence 6251. Springer, 2010.

2012

- [22] Rem Collier, Jürgen Dix, Peter Novák, editors. *Post-Proceedings of the Eighth International Workshop on Programming Multi Agent Systems (ProMAS '10)*. Toronto, Canada, 2010. Lecture Notes in Artificial Intelligence 6599. Springer, 2012.

Own Books and invited articles in Books (15)

1992

- [23] Jürgen Dix. Nichtmonotones Schliessen und dessen Anwendungen auf Semantiken logischer Programme. Selbstverlag, Karlsruhe, Oktober 1992.

1996

- [24] Jürgen Dix. Semantics of Logic Programs: Their Intuitions and Formal Properties. An Overview. In André Fuhrmann and Hans Rott, editors, *Logic, Action and Information – Essays on Logic in Philosophy and Artificial Intelligence*, pages 241–327. DeGruyter, 1996.

1997

- [25] Gerd Brewka, Jürgen Dix, and Kurt Konolige. *Nonmonotonic Reasoning: An Overview*. Lecture Notes No. 73, Studies in Logic Language and Information. CSLI publishers, January 1997. 190 pages .

1999

- [26] Jürgen Dix. Cognitive Systems. In John G. Webster (editor), *Encyclopedia of Electrical and Electronics Engineering*, Vol. 3, pages 531–540. John Wiley & Sons. February 1999.

2000

- [27] V.S. Subrahmanian, Piero Bonatti, Jürgen Dix, Thomas Eiter, Sarit Kraus, Fatma Özcan and Robert Ross. *Heterogeneous Active Agents*. MIT Press, June 2000. 640 pages .

2001

- [28] Jürgen Dix, Ulrich Furbach and Ilkka Niemelä. Nonmonotonic Reasoning: Towards Efficient Calculi and Implementations. In A. Voronkov and A. Robinson, editors, *Handbook of Automated Reasoning*, Volume 2, Chapter 18, pages 1121–1234. Elsevier Science, 2001.

2005

- [29] Gerd Brewka and Jürgen Dix. Knowledge Representation with Generalized Logic Programs. In D. Gabbay, editor, *Handbook of Philosophical Logic, 2nd Edition*, **Volume 12, Chapter 1**, 1–85. Oxford University Press, 2005.
- [30] Jürgen Dix and Yingqian Zhang. IMPACT: A multi-agent framework with declarative semantics. In R. Bordini, M. Dastani, J. Dix, A. El Falah Segrouchni, editors, *Programming Multi Agent Systems*, Multi-Agent Systems, Artificial Societies and Organizations, No 15, 69–94. Springer, 2005. Preliminary version in http://cig.in.tu-clausthal.de/~dix/Papers/05_Kluwer.ps.gz
- [31] Jürgen Dix and Dana Nau and Ugur Kuter. Planning in Answer Set Programming using Ordered Task Decomposition. In S. Artemov, H. Barringer, A. S. d’Avila Garcez, L. C. Lamb, and J. Woods, editors, *We Will Show Them: Essays in Honour of Dov Gabbay, Volume 1*, 521–577. King’s College Publications, August 2005.

2009

- [32] Alejandro Garcia and Jürgen Dix and Guillermo Simari. Argument-based Logic Programming. In Iyad Rahwani and Guillermo Simari, editors, *Argumentation in Artificial Intelligence*, pages 153–171, Springer, 2009.

2010

- [33] Nils Bulling and Jürgen Dix and Wojtek Jamroga. Model Checking Logics of Strategic Ability and their Complexity. In Mehdi Dastani, Koen Hindriks and John-Jules Meyer, editors, *Specification and Verification of Multi-Agent Systems*, pages 125–158, Springer, 2010.

2012

- [34] Jürgen Dix Wolfgang Faber and V. S. Subrahmanian. Privacy Preservation Using Multi-context Systems and Default Logic. In *Correct Reasoning – Essays on Logic-Based AI in Honour of Vladimir Lifschitz*, pages 195–210, Springer, 2012.

2013

- [35] Jürgen Dix and Michael Fisher. Chapter 13: Programming Multi-Agent Systems. In Gerhard Weiss, editor, *Multi-Agent Systems*, pages 587–639. MIT Press, 2013.
- [36] Rafael Bordini and Jürgen Dix. Chapter 14: Specification and Verification of Multi-Agent Systems. In Gerhard Weiss, editor, *Multi-Agent Systems*, pages 641–693. MIT Press, 2013.
- [37] Koen Hindriks and Jürgen Dix. GOAL: A Multi-Agent Programming Language Applied to an Exploration Game. In Onn Shehory and Arnon Sturm, editors, *Research Directions in Agent-Oriented Software Engineering*, pages 112–136. Springer, 2013.

2 Journal Publications (66)

Guest-Editor for Journal-Issues (15)

1999

- [38] Jürgen Dix and Jorge Lobo. Logic Programming and Non-monotonic Reasoning. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 25**, **No. 3–4**:161–419, 1999.

2000

- [39] Jürgen Dix, Luis Farinas del Cerro and Ulrich Furbach. Logics in AI. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 27**, **No. 1–4**:1–202, 2000.

2002

- [40] Jürgen Dix, Joao Leite and Ken Satoh. CLIMA: Computational Logic in Multi Agent Systems. *Special Issue of Electronic Notes on Theoretical Computer Science*, **Vol. 70**, **No. 5**

2003

- [41] Jürgen Dix, Fariba Sadri and Ken Satoh. Computational Logic and Multi-Agency. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 37**, **No. 1–2**, 2003.

2004

- [42] Jürgen Dix, Joao Leite and Ken Satoh. Agent systems based on Computational Logic. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 42**, **No. 1–3**, 2004.

- [43] Jürgen Dix, Michael Fisher, Hector Levesque and Leon Sterling. Logic based Agent Implementation. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 41, No. 2–4**, 2004.

2006

- [44] Gerhard Brewka and Jürgen Dix. Answer Set Programming. *Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 47, No. 1–2**, 2006.

2007

- [45] Rafael Bordini, Mehdi Dastani, Jürgen Dix and Amal El-Fallah Segrouchni. Programming Multi-Agent Systems. *Special Issue of International Journal of Agent-Oriented Software Engineering*, **Vol. 1, No. 3**, 2007.
- [46] Jürgen Dix and Stephen Hegner. *Foundations of Knowledge-Based systems, Selected and Revised Papers of FOIKS 06. Special Issue of Annals of Mathematics and Artificial Intelligence*, **Vol. 50, No. 1–2**, 2007.

2010

- [47] Nick Bassiliades, Jürgen Dix, Guido Governatori, and Adrian Paschke. *Rule interchange and applications. Special Issue of IEEE Transactions of Knowledge and Data Engineering*, **22(11)**, 2010.
- [48] Rafael Bordini, Mehdi Dastani, Jürgen Dix and Amal El-Fallah Segrouchni. Multi-Agent Programming. *Special Issue of International Journal of Autonomous Agents and Multi-Agent Systems*, **22(4)**, 2010.
- [49] Tristan Behrens, Mehdi Dastani, Jürgen Dix, Peter Novák and Michael Köster. *The multi-agent programming contest from 2005–2010: From collecting gold to herding cows. Special Issue of Annals of Mathematics and Artificial Intelligence*, **59(3)**, 2010.

2011

- [50] Tristan Behrens, Jürgen Dix, Jomi Hübner, and Michael Köster. *The Multi-Agent Programming Contest II. Special Issue of Annals of Mathematics and Artificial Intelligence*, **61(4)**, 2011.
- [51] Rafael Bordini, Mehdi Dastani, Jürgen Dix and Amal El-Fallah Segrouchni. Multi-Agent Programming. *Special Issue of International Journal of Autonomous Agents and Multi-Agent Systems*, **23(1)**, 2010.
- [52] Jürgen Dix and Joao Leite. Selected Papers from CLIMA 2010. *Special Issue on computational logics in multi-agent systems, Annals of Mathematics and Artificial Intelligence*, **62(1–2)**, 2011.

Articles in Journals (51)

1992

- [53] Jürgen Dix and David Makinson. The Relationship between KLM and MAK models for Nonmonotonic Inference Operations. *Journal of Logic, Language and Information*, **1(2)**:131–140, 1992.

1993

- [54] Jürgen Dix and Peter Schmitt. Nichtmonotones Schliessen: Wieviel Nichtmonotonie ist nötig? *Kognitionswissenschaft*, **3**:53–69, 1993.
- [55] Jürgen Dix. LP&NMR '93: Report on the Second International Workshop on Logic Programming and Non-Monotonic Reasoning. *The European Journal on Artificial Intelligence*, **6(3/4)**:229–231, 1993. Also in Newsletter of the Association of Logic Programming, **6(4)**:2-3, 1993
- [56] Jürgen Dix and Martin Kummer. Herbrand's Theorem for Nonstandard Inference Operations (Abstract). *Journal of Symbolic Logic*, **58**:1116–1117, 1993.

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- [57] Jürgen Dix and Martin Kummer. Herbrand's Theorem for Nonstandard Inference Operations. *Journal of Logic and Computation*, **4(2)**:143–156, 1994.
- [58] Jürgen Dix. Review on Marek/Truszczyński's Book "Nonmonotonic Logic". *Bulletin of the IGPL*, **6(1)**:250–254, 1994.

1995

- [59] Jürgen Dix. A Classification-Theory of Semantics of Normal Logic Programs: I. Strong Properties. *Fundamenta Informaticae*, **XXII(3)**:227–255, 1995.
- [60] Jürgen Dix. A Classification-Theory of Semantics of Normal Logic Programs: II. Weak Properties. *Fundamenta Informaticae*, **XXII(3)**:257–288, 1995.
- [61] Jürgen Dix. Detailed Report on the First LP&NMR Retreat, October 8–11, 1994. *The European Journal on Artificial Intelligence*, **8(1)**:39–43, 1995. Also in *Computational Logic*, **1(2)**:46–48, 1995.

1996

- [62] Peter Baumgartner, Jürgen Dix, Ulrich Furbach, Dorothea Schäfer, and Frieder Stolzenburg. Deduktion und Logisches Programmieren. *KI*, **2**: 34–39, 1996.
- [63] Jürgen Dix and Ulrich Furbach. The DFG-Project DisLoP on Disjunctive Logic Programming. *Computational Logic*, **2**:89–90, 1996.
- [64] Jürgen Dix and Ulrich Furbach. Logic Programming with Negation and Disjunction. *KI*, **3**: 24–31, Special Issue on Logic Programming, 1996.

- [65] Jürgen Dix and Georg Gottlob and Wiktor Marek. Reducing Disjunctive to Non-Disjunctive Semantics by Shift Operations. *Fundamenta Informaticae*, **XXVIII(1/2)**:87–100, 1996.

1997

- [66] Stefan Brass and Jürgen Dix. Characterizations of the Stable Semantics by Partial Evaluation. *Journal of Logic Programming*, **32(3)**:207–228, 1997.
- [67] Chandrabose Aravindan, Jürgen Dix and Ilkka Niemelä. DisLoP: A Research Project on Disjunctive Logic Programming *The European Journal on Artificial Intelligence*, **10(3/4)**:151–165, 1997. Shortened version also in *Computational Logic*, **3(2)**, 1997.

1998

- [68] Stefan Brass and Jürgen Dix. Characterizations of the Disjunctive Wellfounded Semantics: Confluent Calculi and Iterated GCWA. *Journal of Automated Reasoning*, **20(1)**:143–165, 1998.
- [69] Jürgen Dix and Frieder Stolzenburg. A Framework to incorporate Nonmonotonic Reasoning into Constraint Logic Programming. *Journal of Logic Programming*, Special Issue on *Constraint Logic Programming*, **37(1-3)**:46–76, 1998.
- [70] Jürgen Dix. The Logic Programming Paradigm. *The European Journal on Artificial Intelligence*, **11(3)**:39–43, 1998. Short version in Newsletter of the Association of Logic Programming, **11(3)**:19–21, 1998.
- [71] Peter Baumgartner, Ingo Dahn, Jürgen Dix, Ulrich Furbach, Micha Kühn, Frieder Stolzenburg, Bernd Thomas. Automated Deduction: A Technological Point of View. *KI*, **4**:22–29, Special Issue on Deduction and Applications, 1998.

1999

- [72] Stefan Brass and Jürgen Dix. A General Framework for Semantics of Disjunctive Logic Programs based on Partial Evaluation. *Journal of Logic Programming*, **38(3)**:167–213, 1999.
- [73] Stefan Brass, Jürgen Dix and Teodor Przymusiński. Computation of the Semantics for Autoepistemic Beliefs. *Artificial Intelligence*, **112(1-2)**:104–123, 1999.
- [74] Jürgen Dix and Mauricio Osorio. Confluent Rewriting Systems in Non-monotonic Reasoning. *Computacion y Sistemas*, **II(2-3)**:104–123, 1999.

2000

- [75] Jürgen Dix and Mirco Nanni and V.S. Subrahmanian. Probabilistic Agent Reasoning. *ACM Transactions of Computational Logic*, **1(2)**:207–245, 2000.
- [76] Jürgen Dix and V.S. Subrahmanian and Georg Pick. Meta Agent Programs. *Journal of Logic Programming*, **46(1/2)**:1–60, 2000.

2001

- [77] Stefan Brass, Jürgen Dix, Ilkka Niemelä and Teodor Przymusiński. On the Equivalence of the Static and Disjunctive Well-Founded Semantics and its Computation, *Theoretical Computer Science*, **258(1-2)**:523–553, 2001.
- [78] Stefan Brass, Jürgen Dix, Burkhardt Freitag and Ulrich Zukowski. Transformation-Based Bottom-Up Computation of the Well-Founded Model. *Theory and Practice of Logic Programming*, **1(5)**:497–538, 2001.
- [79] Jürgen Dix, Mauricio Osorio and Claudia Zepeda. A general theory of confluent Rewriting Systems for Logic Programming and its Applications. *Annals of Pure and Applied Logic*, **108(1-3)**:153–188, 2001.
- [80] Jürgen Dix, Sarit Kraus and VS Subrahmanian. Temporal Agent Reasoning *Artificial Intelligence*, **127(1)**:87–135, 2001.
- [81] Jürgen Dix and Karl Schlechta. Updating by minimal sums. *Theoretical Computer Science*, **266(1-2)**:819–838, 2001.

2002

- [82] Carlos Chesñevar, Jürgen Dix, Guillermo Simari and Frieder Stolzenburg. Relating Defeasible and Normal Logic Programming through Transformation Properties. *Theoretical Computer Science*, **290(1)**:499–529, 2002.

2003

- [83] Jürgen Dix and Hector Muñoz-Avila and Dana Nau and LingLing Zhang. IMPACTing SHOP: Planning in a Multi-Agent Environment. *Annals of Mathematics and AI*, **37(4)**:381–407, 2003.
- [84] Jürgen Dix and Thomas Eiter and Michael Fink and Axel Polleres and Yingqian Zhang. Monitoring Agents using Declarative Planning. *Fundamenta Informaticae*, **57(2-4)**:345–370, 2003.

2004

- [85] Stefan Brass and Jürgen Dix and Teodor Przymusiński. Super Logic Programs. *ACM Transactions of Computational Logic*, **5(1)**:129–176, 2004.
- [86] Jürgen Dix and Fatma Öczan and V.S. Subrahmanian. Improving Performance of Heterogenous Agents. *Annals of Math and AI*, **41(2-4)**:339-395, 2004.

2005

- [87] Jürgen Dix and Thomas Eiter. Answer Set Programming and Agents. *Agentlink*, **19**:14–17, 2005.

2006

- [88] Jürgen Dix and Sarit Kraus and VS Subrahmanian. Heterogenous Temporal Probabilistic Agents. *ACM Transactions of Computational Logic*, **7(1)**:151–198, 2006.

2007

- [89] Tristan M. Behrens and Jürgen Dix. Model Checking Multi-Agent Systems with Logic Based Petri Nets. *Special Issue of Annals of Mathematics and Artificial Intelligence in honor of Jack Minker*, **51(1–2)**:81–121, 2007.

2008

- [90] Jürgen Dix and Wojtek Jamroga. Model Checking Strategic Abilities of Agents under Incomplete Information. *Theory of Computing Systems*, **42(3)**:366–410, 2008.

2009

- [91] Nils Bulling and Wojtek Jamroga and Jürgen Dix. Reasoning about Temporal Properties of Rational Play. *Special Issue of Annals of Mathematics and Artificial Intelligence in honor of Wiktor Marek*, **53(1–4)**, 51–114, 2009.
- [92] Jürgen Dix, Simon Parsons, Henry Prakken, and Guillermo Simari. Dagstuhl Manifesto. *Informatik Spektrum*, **32(1)**:70–81, 2009.
- [93] Jürgen Dix, Simon Parsons, Henry Prakken, and Guillermo Simari. Research challenges for argumentation. *Computer Science - R&D*, **23(1)**:27–34, 2009.
- [94] Tristan Behrens, Jürgen Dix, Peter Novák, Michael Köster. Agenten als Goldgräber und Cowboys. *KI*, **2**:22–29, 2009.

2010

- [95] Tristan Behrens, Mehdi Dastani, Jürgen Dix, Michael Köster and Peter Novák. Editorial. *Annals of Mathematics and Artificial Intelligence*, **59(3)**:275–275, 2010.
- [96] Nils Bulling and Jürgen Dix. Modelling and Verifying Coalitions using Argumentation and ATL. *Inteligencia Artificial, Special Issue of Selected Papers of CACIC 2008*, **14(46)**:45–73, 2010.
- [97] Tristan Behrens, Mehdi Dastani, Jürgen Dix, Michael Köster, and Peter Novák. The Multi-Agent Programming Contest from 2005–2010. *Special Issue of Annals of Mathematics and Artificial Intelligence on the Multi-Agent Contest*, **59(3)**, 276–301, 2010.

2011

- [98] Tristan Behrens, Jürgen Dix, Jomi Hübner, Michael Köster. Editorial. *Annals of Mathematics and Artificial Intelligence*, **60(1)**:4–4, 2011.
- [99] Jürgen Dix, Wojtek Jamroga, and Dov Samet. Reasoning about Interaction: From Game Theory to Logic and Back (Dagstuhl Seminar 11101). *Dagstuhl Reports*, **1(3)**:1–18, 2011.
- [100] Jürgen Dix and Michael Fisher. Where Logic and Agents Meet. *Special Issue of Annals of Mathematics and Artificial Intelligence: 20 Years*, **61(1)***15–28, 2011.
- [101] Tristan Behrens, Koen Hindriks and Jürgen Dix. Towards an Environment Interface Standard for Agent Platforms. *Annals of Mathematics and Artificial Intelligence*, **61(4)***261-295, 2011.

2012

- [102] Jürgen Dix and Koen V. Hindriks and Brian Logan and Wayne Wobcke. Engineering Multi-Agent Systems (Dagstuhl Seminar 12342). *Dagstuhl Reports*, **2(8)**:74–98, 2012.
- [103] Tristan Behrens, Mehdi Dastani, Jürgen Dix, Jomi Hübner, Michael Köster, Peter Novák, and Federico Schlesinger. The Multi-Agent Programming Contest. *AI Magazine*, **33(4)**:111–113, 2012.

3 Invited Tutorials (14)

1991

- [104] Gerd Brewka, Jürgen Dix, and Kurt Konolige. A Tutorial on Nonmonotonic Reasoning. In G. Brewka, K. P. Jantke, and P. H. Schmitt, editors, *Nonmonotonic and Inductive Logic, Proceedings of the Second International Workshop, Reinhardtsbrunn Castle, Germany, December 1991*, pages 1–88. LNCS 659, Springer, February 1993.

1996

- [105] Gerd Brewka and Jürgen Dix. A Tutorial on Knowledge Representation with Logic Programs. In Working Notes of the *12th European Conference on Artificial Intelligence '96*, Budapest 1996. 95 pages .

1997

- [106] Gerd Brewka and Jürgen Dix. Generalized Logic Programs and their use in Knowledge Representation: An introductory course. In Working Notes of the *9th annual European Summer School in Logic, Language and Information*, Aix-en-Provence 1997.

2000

- [107] Jürgen Dix. IMPACT: A flexible framework for Multi-Agents. In Working Notes of the *National Argentine Conference on Computer Science*, Usuahia, October 2000. Slides (342) available at <http://cig.in.tu-clausthal.de/~dix/usuahia.html>.
- [108] Jürgen Dix. Multi-Agency: An Introduction. In Working Notes of the *Tutorial on Multi-Agency*, Bahia Blanca, September 2000. Slides (150) available at <http://cig.in.tu-clausthal.de/~dix/bahia.html>.

2002

- [109] Jürgen Dix and Thomas Eiter. Theoretical foundations and practical applications of Heterogenous agent systems In Working Notes of the *14th annual European Summer School in Logic, Language and Information*, Trento, Italy, 2002. Slides (350) available at <http://cig.in.tu-clausthal.de/~dix/ESSLLI02.html>.
- [110] Jürgen Dix. Logic based agents. In Working Notes of the *Journees Europeens de la Logique en Intelligence artificielle (JELIA '02)*., Cosenza, Italy, 2002. Slides (88) available at http://cig.in.tu-clausthal.de/~dix/Papers/Talk_02_JELIA02_tutorial.ppt.

2006

- [111] Jürgen Dix and Wojtek Jamroga. Modal Logics for Multi-Agent Systems (Invited Lecture). In Working Notes of the *8th annual European Agents Systems Summer School (EASSS '06)*, Annecy, France, 2006.

2007

- [112] Jürgen Dix and Wojtek Jamroga. Modelling the Dynamics of Knowledge. Two Traditions: Logic Programming vs. Modal Logic (Invited Lecture). In Working Notes of the *19th annual European Summer School in Logic, Language and Information (ESSLLI '07)*, Dublin, Ireland, 2007.
- [113] Jürgen Dix and Wojtek Jamroga. Modal Logics for Multi-Agent Systems (Invited Lecture). In Working Notes of the *9th annual European Agents Systems Summer School (EASSS '07)*, Durham, UK, 2007.

2008

- [114] Jürgen Dix and Wojtek Jamroga. What Coalitions Can Achieve (Invited Lecture). In Working Notes of the *10th annual European Agents Systems Summer School (EASSS '08)*, Lisbon, Portugal, 2008.

2010

- [115] Nils Bulling and Jürgen Dix. Model Checking Temporal and Strategic Logics (Invited Lecture). In Working Notes of the *12th annual European Agents Systems Summer School (EASSS '10)*, Saint-Etienne, France, 2010.

2012

- [116] Nils Bulling and Jürgen Dix. Introduction to the modelling and verification of, and reasoning about multi-agent systems (Invited Lecture). In Working Notes of the *14th annual European Agents Systems Summer School (EASSS '12)*, Valencia, Spain, 2012.

2013

- [117] Nils Bulling and Jürgen Dix. Games and Cooperation: How to Reason about? (Invited Lecture). In Working Notes of the *15th annual European Agents Systems Summer School (EASSS '13)*, London, UK, 2013.

4 Refereed Conference Papers (67)

1989

- [118] Jürgen Dix. Some Tendencies in Non Monotonic Reasoning: I. The Main Approaches. In Bernd I. Dahn and Helmut Wolter, editors, *Proceedings of the 7th Easter Conference on Model-Theory*, pages 81–105, 1086 Berlin, PSF 1297, DDR, Sektion Mathematik der Humboldt Universität, April 1989.

1990

- [119] Jürgen Dix, Achim Posegga, and Peter H. Schmitt. Modal Logics for AI Planning. In *Proceedings of the First International Conference on Expert Planning Systems, Brighton*, pages 157–162. Conf. Publ. No. 322, June 1990.

1991

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1990–1993

- [367] Jürgen Dix, Axel Dold, Thomas Fuchß, and Martin Müller. Theorist und MVL: Erfahrungen und Hinweise im Umgang mit nichtmonotonen Beweissystemen. Technical report, Universität Karlsruhe, Fakultät für Informatik, Institut für Logik, Komplexität und Deduktionssysteme, July 1990.
- [368] Jürgen Dix, Stefan Merkle, Ulf Troppens, and Stefan Waelde. KLM’s Abschlüsse K^{cum} und K^{pref} versus LM’s Abschluss K^{rat} : Theorie und Implementierung. Technical report, Universität Karlsruhe, Fakultät für Informatik, Institut für Logik, Komplexität und Deduktionssysteme, September 1991.
- [369] Axel Dold. Ginsberg’s Bilattices and Nonmonotonic Consequence Operations. Technical report, Master Thesis, Karlsruhe University (in german), 1992.
- [370] Thomas Fuchß. Bilattices and their Application to Semantics of Logic Programs. Technical report, Master Thesis, Karlsruhe University (in german), November 1992.

- [371] Bertram Ludäscher. CNF-Prolog: A Meta-Interpreter for Chan’s Constructive Negation, Implementation. Technical report, Master Thesis, Karlsruhe University (in german), June 1991.
- [372] Martin Müller. Disjunctive Logic Programs: Characterization and Implementation. Diploma thesis, Universität Karlsruhe, (in German), January 1993.
- [373] Martin Müller. Examples and Run-Time Data from KORF, January 1993.
- [374] Martin Vorbeck. CNF-Prolog: A Meta-Interpreter for Chan’s Constructive Negation, Theory. Technical report, Master Thesis, Karlsruhe University (in german), June 1991.

1994–2000

- [375] Katrin Erk. Defeasible Reasoning with Graphs. Technical report, Studien-Arbeit, Koblenz University (in german), 1996.
- [376] Katrin Erk. Splicing. Technical report, Master Thesis, Koblenz University (in german), 1998.

2000–2003

- [377] Hoda Kamel. Inductive definitions and the well-founded semantics. MPhil thesis, The University of Manchester, October 2002.

2004

- [378] Tristan Behrens. Statische Analyse der Ausnahmebehandlung on Java-Programmen. Studienarbeit, TU Clausthal (in german), July 2004.
- [379] Stefan Schimanski. Verifikation von Schleifen in Java-Programmen. Diploma Thesis, TU Clausthal (in german), May 2004.
- [380] Jens Stegemann. Statische Analyse von Java-Programmen unter Verwendung der JML. Diploma Thesis, TU Clausthal (in german), August 2004.

2005

- [381] Bernd Fuhrmann. A Metainterpreter for different kinds of Update-Semantics in the context of Logic Programming. Studienarbeit, TU Clausthal (in german), August 2005.
- [382] Matthias Glagow. Analyse von Nachbarschaftsoperatoren für das Traveling Salesman Problem. Studienarbeit, TU Clausthal (in german), April 2005.
- [383] Thomas Goerz. Modellbasierte Diagnose des Zündsystems im Ottomotor zur Herleitung von Fehlersuchanleitungen in einer KFZ-Werkstatt. Diploma Thesis, TU Clausthal (in german), August 2005.
- [384] Janko Heilgeist. Der SAW-Algorithmus als Lösungsansatz für G3C. Studienarbeit, TU Clausthal (in german), August 2005.

- [385] Andrzej Kononowicz. Agenten im E-Learning. Diploma Thesis, TU Clausthal (in german), July 2005.
- [386] Michael Lesniak. Syntaktische Transformation rekursiver Methoden in Java. Studienarbeit, TU Clausthal (in german), May 2005.
- [387] Claus Lohrberg. Theorembeweiser für das Verification Tool (VTool). Studienarbeit, TU Clausthal (in german), May 2005.

2006

- [388] Tristan Behrens. Statische Analyse von Spec-Sharp-Programmen. Diplomarbeit, TU Clausthal (in german), February 2006.
- [389] Nils Bulling. Modal Logics for games, time and beliefs. Diplomarbeit, TU Clausthal, February 2006.
- [390] Jan Winhuysen. Entwurf und Implementierung eines Werkzeugs zur statischen Analyse von JAVA Bytecode. Diploma Thesis, TU Clausthal (in german), May 2006.
- [391] Markus Winkler. Modellierung des Temperaturverlaufs in einem Schmelzofen. Diploma Thesis, TU Clausthal (in german), February 2006.

2007

- [392] Michael Lesniak. Solving consistency conflicts in distributed ontologies. Diplomarbeit, TU Clausthal, August 2007.
- [393] Xavier Queralt Mateu. Model checking of rational behavior of agents. Bachelor Thesis, TU Clausthal, September 2007.

2008

- [394] Michael Köster. Implementierung eines autonomen Agenten in einer simulierten 3D-Umgebung: Wissensrepräsentation. Diplomarbeit, TU Clausthal, April 2008.
- [395] David Mainzer. Implementierung eines autonomen Agenten in einer simulierten 3D-Umgebung: Interaktion mit der Umwelt. Diplomarbeit, TU Clausthal, April 2008.
- [396] Dominik Steinborn. Entwurf und Implementierung eines ontologiebasierten Systems zur Extraktion von Produktinformationen aus Onlineshops Diplomarbeit, TU Clausthal, May 2008.

2009

- [397] Bernd Fuhrmann. Implementierung eines URBI- und Rubymoduls für Jazzyk zur Entwicklung von Robotern. Diplomarbeit, TU Clausthal, May 2009.
- [398] Markus Gogolin. Optimierte SLPN-LTL Model Checker in C. Diplomarbeit, TU Clausthal, February 2009.

- [399] Slawomir Deren. Inter-Agent Kommunikation: Modul für *Jazzyk*. Diplomarbeit, TU Clausthal, June 2009.
- [400] Jan-Michael Brummer. Vergleich der Ausdruckskraft von Promela und SLPNs. Diplomarbeit, TU Clausthal, May 2009.
- [401] Sebastian Magnus. Intelligent City - An Ambient System for Personalized Information- and Transactionservices. Diplomarbeit, TU Clausthal, June 2009.

2012

- [402] Jens Dehnert. Game representations and their complexity. Diplomarbeit, TU Clausthal, September 2012.
- [403] Sascha Kattelman. Die Ehrenfeucht Vermutung und verwandte Probleme. Bachelorarbeit, TU Clausthal, October 2012.

2013

- [404] Jan Kerk. Vector Addition Systems and Decidable Problem. Bachelorarbeit, TU Clausthal, March 2013.
- [405] Tobias Ahlbrecht. Opportunistic Networks. Bachelorarbeit, TU Clausthal, March 2013.

7 Invited Talks (75)

I have given more than 130 talks, most of which were presentations of accepted papers at international conferences. In the following, I am only listing the **75 invited talks** among them (i.e. no accepted paper presentations at conferences).

1989

1. **“Some Tendencies in Non-Monotonic Reasoning”**,
Mar 31, 1989: Wendisch-Rietz, East-Germany,
7th Easter Conference on Model-Theory,

1990

2. **“Cumulativity of Various Semantics for Logic Programs”**,
Dec 6, 1990: Karlsruhe, Germany.
First Intern. Workshop on Nonmonotonic and Inductive Logic (NIL '90)

1991

3. **“Tutorial on Semantics of Logic Programs”**,
Dec 2, 1991: Reinhardsbrunn, Germany.
2nd Intern. WS on Nonmonotonic and Inductive Logic (NIL '91),

1992

4. **“Eigenschaften des rationalen Abschlusses, oder:
Wieviel Nichtmonotonie ist nötig”**,
Apr 27, 1992: Bonn (Gustav-Stresemann-Institut), Germany.
(zusammen mit Prof. P. Schmitt),
Workshop Standardannahmen in Wissens- und Sprachverarbeitung
5. **“How to Choose between Semantics of Logic Programs”**,
May 12, 1992: Delft (Technical University), Netherlands.
Colloquium on Non-Monotonic Reasoning,
6. **“LP Semantics and their Properties: An Overview”**,
Oct 6, 1992: Konstanz, Germany.
Second International Colloquium on Logic and Information (LogIn '92),
7. **“Weak and Strong Principles of Semantics of Logic Programs”**,
Nov 3, 1992: Stony Brook (State University of New York), USA.
Colloquium in Theoretical Computer Science,

1993

8. **“Results on the Relationship between NMR and LP**,
Feb 15, 1993: Saarbrücken, Germany.
German Research Center for Artificial Intelligence,

9. **“Semantics for LP: Their Classification and Characterisation”**,
Mar 30, 1993: Saarbrücken, Germany.
Max-Planck-Institute for Computer Science,
10. **“Semantics of Logic Programs and their Properties”**,
May 7, 1993: Koblenz, Germany.
Institute for CS at the University,
11. **“Semantics of Logic Programs: Their Classification and Characterisation”**,
June 9, 1993: München, Germany.
Institute for CS at the Technical University,
12. **“Herbrand’s Theorem and Other Abstract Properties for NMR”**,
June 15, 1993: Leipzig, Germany.
Institute for CS at the University,
13. **“Semantics of Logic Programs and their Properties”**,
July 7, 1993: Mannheim, Germany.
Institute for CS at the University,
14. **“An Axiomatic Approach to Semantics of Logic Programs”**,
Sept 23, 1993: Dagstuhl, Germany.
Workshop on Non-Classical Logics in Computer Science,

1994

15. **“Erweiterungen von WFS und STABLE”**,
May 2, 1994: Hannover, Germany.
Institute for CS at the University,
16. **“On Disjunctive Deductive Databases”**,
Dec 14, 1994: Tübingen, Germany.
Institute for CS at the University,

1995

17. **“Soundness and Completeness Results for bottom up computation of DLP”**,
May 29, 1995: Bonn, Germany.
Institute for CS at the University,
18. **“A Framework for disjunctive Programs based on Unfolding”**,
July 3, 1995: Athens (GA), USA.
AI Center of the University at Georgia,
19. **“The Role of Partial Deduction for Disjunctive DB’s”**,
July 19, 1995: Dagstuhl, Germany.
Workshop on the Role of Logic in Information systems,
20. **“A Confluent Calculus for D-WFS”**,
Oct 13, 1995: Vienna, Austria.
Christian Doppler Laboratory,

1996

21. **“Computation of Non-Ground Disjunctive WFS Using Constraint Logic Programming”**,
July 3, 1996: Dagstuhl, Germany.
(joint with F. Stolzenburg),
Dagstuhl Seminar on Disjunctive Logic Programming and Databases,
22. **“Knowledge Representation with Nonmonotonic Semantics”**,
July 11, 1996: Magdeburg, Germany.
Faculty of Informatics, University of Magdeburg
23. **“Representating Knowledge by LP-Methods”**,
Nov 19, 1996: München, Germany.
Faculty of Informatics, University of the Army
24. **“Herbrand’s Theorem for Nonstandard Consequence Operations”**,
Dec 9, 1996: Warszawa, Poland.
Stefan-Banach-Center, Special Mini-Semester to the memory of Helena Rasiowa
25. **“On Logic Programming and Confluent Calculi”**,
Dec 11, 1996: Warszawa, Poland.
Stefan-Banach-Center, Special Mini-Semester to the memory of Helena Rasiowa

1997

26. **“Goals and Expectations of Implementing LP-Systems”**,
July 30, 1997: Dagstuhl, Germany.
LPNMR’ 97, Panel-discussion
27. **“Knowledge Representation with Generalized Logic Programs”**,
Dec 12, 1997: Dresden, Germany.
Faculty of Informatics, Technical University of Dresden

1998

28. **“Using Logic and Databases for Information Systems”**,
April 7, 1998: Buenos Aires, Argentine.
Kickoff Workshop on Information Systems
29. **“The Future of Deductive Databases”**,
April 17, 1998: Bahia Blanca, Argentine.
Dept. of CS, University of Bahia Blanca
30. **“Recent Trends in Logic Programming and Databases”**,
April 26, 1998: Shakertown, Kentucky, USA.
Logic Programming Paradigm Meeting, Panel-discussion
31. **“Writing IMPACT Decision Policies”**,
Aug 7, 1998: UMIACS, Maryland, USA.
IMPACT Workshop

- 32. **“Meta Knowledge and Simulation”**,
Aug 7, 1998: UMIACS, Maryland, USA.
IMPACT Workshop
- 33. **“Interesting Applications for LP, NMR and Databases”**,
June 1, 1998: Trento, Italy.
International NMR-Workshop, Panel-discussion
- 34. **“WFS or STABLE? LP or DLP? Where does it go?”**,
Oct 7, 1998: TU Wien, Austria.
Workshop on LP
- 35. **“Aspects of Data Mining for Software Engineering”**,
Dec 15, 1998: Universität Koblenz, Germany.
CASE AG

1999

- 36. **“The IMPACT System of Multi-Agents”**,
Mar 8, 1999: Imperial College, London, United Kingdom.
Workshop on Agents
- 37. **“Von Datenbanken zu Wissensbasen”**,
July 9, 1999: Universität Giessen, Germany.
Fakultät für Informatik
- 38. **“Logic Based Artificial Intelligence: Theoretical Foundations”**,
July 13, 1999: Universität Bremen, Germany.
Fakultät für Informatik
- 39. **“IMPACT Agent Implementation”**,
Aug 12, 1999: Dept. of CS, College Park, USA.
IMPACT Workshop on Agents
- 40. **“IMPACT Agent Extensions”**,
Aug 13, 1999: Dept. of CS, College Park, USA.
IMPACT Workshop on Agents
- 41. **“Theoretical Foundations and Practical Applications
of Logic based AI”**,
Oct 26, 1999: University of Manchester, United Kingdom.
Dept. of CS

2000

- 42. **“The Multi-Agent System IMPACT”**,
May 24, 2000: University of Leipzig, Germany.
Dept. of CS
- 43. **“IMPACTING Shop: Planning in IMPACT”**,
June 25, 2000: Technical University of Vienna, Austria.
Dept. of CS

44. **“Heterogenous Agent Systems”**,
October 1, 2000: Usuahia, Tierra del Fuego, Argentina.
National Argentine Conference on Computer Science (CACIC 2000),
Invited talk at CACIC 2000.

2001

45. **“Theoretical Foundations of IMPACT: A Multi Agent System”**,
Feb 16, 2001: Saarbrücken, Germany.
Max-Planck-Institute for Computer Science,
46. **“Computational Logic and Heterogenous Agent Systems”**,
September 17, 2001: Vienna, Austria.
International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR 2001), **Invited talk at LPNMR 2001.**
47. **“Formal Methods in Heterogenous Agent Systems”**,
October 25, 2001: Innsbruck, Austria.
Dept. of Computer Science.
48. **“Agent Systems built on Computational Logic”**,
November 6, 2001: Liverpool, United Kingdom.
Dept. of Computer Science.

2002

49. **“Scaling Agents”**,
January 24, 2002: Dagstuhl, Germany.
The Logic of Rational Agency.
50. **“Heterogenous Agent Systems, Planning and Heavily Loaded Agents”**,
July 16, 2002: Bologna, Italy.
Dept. of Computer Science.
51. **“Agent Systems, Databases and Legacy Code:
How to bring them together”**,
September 4, 2002: Bolzano, Italy.
Dept. of Computer Science.
52. **“HTN Planning and Answer Set Programming”**,
September 20, 2002: Dagstuhl, Germany.
Seminar on Answer Set Programming.
53. **“Logic Based Agents”**,
September 26, 2002: Cosenza, Italy.
Invited talk at JELIA 02.
54. **“HTN Planning, Agent Systems and Answer Set Programming”**,
November 20, 2002: Bath, United Kingdom.
Dept. of Computer Science.

2003

55. **“Was sind und was sollen Agentensysteme?”**,
January 11, 2003: Clausthal, Germany.
Dept. of Computer Science.
56. **“Ordered Task Decomposition in Answer Set Programming”**,
May 16, 2003: Olsztyn, Poland.
KRAR '03.
57. **“Monitoring Agents with Declarative Planning”**,
May 17, 2003: Olsztyn, Poland.
KRAR '03.
58. **“Ordered Task Decomposition with ASP”**,
Nov 12, 2003: University of Leipzig, Germany.
Dept. of CS

2004

59. **“Planning and ASP”**,
Sept 5, 2004: Helsinki University of Technology, Finland.
Dept. of CS
60. **“Potential Areas for the Use of ASP”**,
September 27, 2004, Lisbon, Portugal.
Panel on *Potential Areas for the Use of ASP*, JELIA '04.

2005

61. **“The first CLIMA-Contest”**,
June 28, 2005: London, UK.
City University London.

2006

62. **“The second CLIMA-Contest”**,
May 7, 2006: Hakodate, Japan.
The Future University.
63. **“Model Checking in Variants of ATL”**,
May 26, 2006: Bath, United Kingdom.
Dept. of Computer Science.

2007

64. **“Heterogenous Temporal Probabilistic Programs”**,
March 16, 2007: Paris, France.
DESIR Seminar: Universite 6.

- 65. **“Model Checking Abilities of Agents: A Closer Look”**,
March 23, 2007: Paris, France.
PANAME Seminar: Université 6.
- 66. **“What can agents achieve in multi-agent systems?”**,
May 24, 2007: Dortmund, Germany.
Kolloquium: Institut für Informatik.

2008

- 67. **“Strategic Abilities of Agents”**,
February 14, 2008: Pisa, Italy.
FOIKS '08: Invited talk.
- 68. **“Agents and their coalitional power”**,
April 30, 2008: Göttingen, Germany.
Kolloquium: Institut für Informatik.
- 69. **“What can agents achieve?”**,
May 30, 2008: Karlsruhe, Germany.
Colloquium: Mathematical Rigour in Computer Science.
- 70. **“Agents and their strategies”**,
October 10, 2008: Berlin, Germany.
Colloquium: DAI Labor, FU Berlin.
- 71. **“The Agent Contest?”**,
December 5, 2008: Koblenz, Germany.
Colloquium: 60. Birthday of Prof. U. Furbach.

2009

- 72. **“Logics and Games”**,
January 22, 2009: Delft, NL.
Colloquium: Algorithmic Group, TU Delft.
- 73. **“Extensions of ATL for Game Theory?”**,
April 23, 2009: Luxemburg, L.
ICR International Symposium: Games, Argumentation and Logic Programming.

2011

- 74. **“How to test and compare Multi-agent systems?”**,
July 16, 2011: Barcelona, Spain
Nonmonotonic Reasoning and Action and Change (NRAC '11), IJCAI WS.
- 75. **“The future of NRAC: invited panelist.”**,
July 17, 2011: Barcelona, Spain
Nonmonotonic Reasoning and Action and Change (NRAC '11), IJCAI WS.