

# 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://www.informatik.tu-clausthal.de/~dix>

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## Abstract

This document contains a list of 226 publications (more than 100 in refereed journals and conferences) and a list of 65 invited talks. The publications consist of 29 books and invited articles in books, 46 Journal-Publications, 10 invited Tutorials, 54 papers in refereed conferences, 48 additional papers, and 39 supervised papers. My DBLP count (<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/index.html>) is currently at 108. I am mentioned in the list of the most cited authors in computer science (<http://citeseer.nj.nec.com/allcitedn.html>): my current position is 3840.

## Contents

1	Books and Invited Articles in Books (29)	2
2	Journal Publications (46)	5
3	Invited Tutorials (10)	9
4	Refereed Conference Papers (54)	11
5	Additional Scientific Papers (48)	17
6	Supervised Papers (39)	20
7	Invited Talks (65)	24

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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](mailto:dix@kr.tuwien.ac.at)) and honorary member of the Department of Computer Science, Victoria University of Manchester, Oxford Road, Manchester M139AL, United Kingdom ([dix@cs.man.ac.uk](mailto:dix@cs.man.ac.uk)).

# 1 Books and Invited Articles in Books (29)

## Edited Books (21)

### 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 .

### 2003

- [7] Jürgen Dix, Joao Leite, editors. *Pre Proceedings of Computational Logic and Multi-Agent Systems, CLIMA IV*. Volume 1, Issue 5. Papierflieger, Clausthal-Zellerfeld. ISBN 3-89720-688-9. 150 pages .
- [8] Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Pre-Proceedings of the First International Workshop on Programming Multi Agent Systems (ProMAS '03)*. Royal Melbourne Institute of Information Technology, Australia, July 2003.

## 2004

- [9] Rafael Bordini, 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.
- [10] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Pre-Proceedings of the Second International Workshop on Programming Multi Agent Systems, ProMAS '04*. Columbia University of New York City, USA, July 2004.
- [11] 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

- [12] 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.
- [13] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Pre-Proceedings of the Third International Workshop on Programming Multi Agent Systems (ProMAS '05)*. University of Utrecht, The Netherlands, 2005.
- [14] 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

- [15] 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.
- [16] Jürgen Dix and Stephen Hegner, editors. *Foundations of Knowledge-Based systems, Conference Proceedings FOIKS 06*. Lecture Notes in Computer Science, 3861. Springer, January 2006.
- [17] Rafael Bordini, Mehdi Dastani, Jürgen Dix, Amal El Fallah Segrouchni, editors. *Pre-Proceedings of the Fourth International Workshop on Programming Multi Agent Systems (ProMAS '06)*. Hakodate University, Japan, 2006.
- [18] 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.
- [19] Jürgen Dix, editor. *Biennial Report 2005/2006*. Dept. of Informatics, Clausthal University of Technology, ISBN 1860-8477, March 2006.
- [20] 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

- [21] 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.

## Own Books and invited articles in Books (8)

### 1996

- [22] 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

- [23] 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

- [24] 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

- [25] 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

- [26] 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

- [27] 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.

- [28] Jürgen Dix and Yingqian Zhang. IMPACT: A multi-agent framework with declarative semantics. In R. Bordini, M. Dastani, J. Dix, A. El Fallah Segrouchni, editors, *Programming Multi Agent Systems*, Multiagent 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](http://cig.in.tu-clausthal.de/~dix/Papers/05_Kluwer.ps.gz)
- [29] 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.

## 2 Journal Publications (46)

### Guest-Editor for Journal-Issues (9)

#### 1999

- [30] 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

- [31] 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

- [32] 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

- [33] 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

- [34] 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.
- [35] 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

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

## 2007

- [37] 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. 2, No. 1**, 2007.
- [38] 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*, 2006.

## Articles in Journals (37)

### 1992

- [39] 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

- [40] Jürgen Dix and Peter Schmitt. Nichtmonotones Schliessen: Wieviel Nichtmonotonie ist nötig? *Kognitionswissenschaft*, **3**:53–69, 1993.
- [41] 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
- [42] Jürgen Dix and Martin Kummer. Herbrand's Theorem for Nonstandard Inference Operations (Abstract). *Journal of Symbolic Logic*, **58**:1116–1117, 1993.

### 1994

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

### 1995

- [45] Jürgen Dix. A Classification-Theory of Semantics of Normal Logic Programs: I. Strong Properties. *Fundamenta Informaticae*, **XXII(3)**:227–255, 1995.
- [46] Jürgen Dix. A Classification-Theory of Semantics of Normal Logic Programs: II. Weak Properties. *Fundamenta Informaticae*, **XXII(3)**:257–288, 1995.

- [47] 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

- [48] Peter Baumgartner, Jürgen Dix, Ulrich Furbach, Dorothea Schäfer, and Frieder Stolzenburg. Deduktion und Logisches Programmieren. *KI*, **2**: 34–39, 1996.
- [49] Jürgen Dix and Ulrich Furbach. The DFG-Project DisLoP on Disjunctive Logic Programming. *Computational Logic*, **2**:89–90, 1996.
- [50] Jürgen Dix and Ulrich Furbach. Logic Programming with Negation and Disjunction. *KI*, **3**: 24–31, Special Issue on Logic Programming, 1996.
- [51] 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

- [52] Stefan Brass and Jürgen Dix. Characterizations of the Stable Semantics by Partial Evaluation. *Journal of Logic Programming*, **32(3)**:207–228, 1997.
- [53] 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

- [54] 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.
- [55] 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.
- [56] 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.
- [57] 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

- [58] 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.
- [59] Stefan Brass, Jürgen Dix and Teodor Przymusiński. Computation of the Semantics for Autoepistemic Beliefs. *Artificial Intelligence*, **112(1–2)**:104–123, 1999.
- [60] Jürgen Dix and Mauricio Osorio. Confluent Rewriting Systems in Non-monotonic Reasoning. *Computacion y Sistemas*, **II(2–3)**:104–123, 1999.

## 2000

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

## 2001

- [63] 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.
- [64] 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.
- [65] 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.
- [66] Jürgen Dix, Sarit Kraus and VS Subrahmanian. Temporal Agent Reasoning *Artificial Intelligence*, **127(1)**:87–135, 2001.
- [67] Jürgen Dix and Karl Schlechta. Updating by minimal sums. *Theoretical Computer Science*, **266(1–2)**:819–838, 2001.

## 2002

- [68] 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

- [69] 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.

- [70] 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

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

## 2005

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

## 2006

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

## 2007

- [75] Jürgen Dix and Wojtek Jamroga. Model Checking Strategic Abilities of Agents under Incomplete Information. *Theory of Computing Systems*, 2007.

## 3 Invited Tutorials (10)

### 1991

- [76] 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

- [77] 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

- [78] 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

- [79] 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>.
- [80] 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

- [81] 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>.
- [82] Jürgen Dix. Logic based agents. In Working Notes of the *Journées Européennes 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](http://cig.in.tu-clausthal.de/~dix/Papers/Talk_02_JELIA02_tutorial.ppt).

## 2006

- [83] 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

- [84] Jürgen Dix and Wojtek Jamroga. Modeling 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.
- [85] 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.

## 4 Refereed Conference Papers (54)

### 1989

- [86] 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

- [87] 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

- [88] Jürgen Dix. Classifying Semantics of Logic Programs. In Anil Nerode, Wiktor Marek, and V. S. Subrahmanian, editors, *Logic Programming and Non-Monotonic Reasoning, Proceedings of the first International Workshop*, pages 166–180. Washington D.C, MIT Press, July 1991.
- [89] Jürgen Dix. Normal Logic Programs and Cumulativity. 9th International Congress of Logic, Methodology and Philosophy of Science, Uppsala, Sweden, August 1991.
- [90] Jürgen Dix. Cumulativity and Rationality in Semantics of Normal Logic Programs. In J. Dix, K. P. Jantke, and P. H. Schmitt, editors, *Proceedings of the first Workshop on Nonmonotonic and Inductive Logic 1990 in Karlsruhe*, pages 13–37. LNCS 543, Springer, October 1991.

### 1992

- [91] Jürgen Dix. Default Theories of Poole-Type and a Method for Constructing Cumulative Versions of Default Logic. In Bernd Neumann, editor, *Proceedings ECAI*, pages 289–293. John Wiley & Sons, August 1992.
- [92] Jürgen Dix and Martin Kummer. Herbrand’s Theorem for Nonstandard Inference Operations. Logic Colloquium 1992, Veszprem, Hungaria, August 1992. Abstract appeared also in *Journal of Symbolic Logic*, **58**, 1116–1117, 1993.
- [93] Jürgen Dix. A Framework for Representing and Characterizing Semantics of Logic Programs. In B. Nebel, C. Rich, and W. Swartout, editors, *Principles of Knowledge Representation and Reasoning: Proceedings of the Third International Conference (KR ’92)*, pages 591–602. San Mateo, CA, Morgan Kaufmann, October 1992.
- [94] Jürgen Dix. Classifying Semantics of Disjunctive Logic Programs. In K. Apt, editor, *LOGIC PROGRAMMING: Proceedings of the 1992 Joint International Conference and Symposium*, pages 798–812. MIT Press, November 1992.

- [95] Jürgen Dix and Martin Müller. Abstract Properties and Computational Complexity of Semantics for Disjunctive Logic Programs. In *Proc. of the Workshop W1, Structural Complexity and Recursion-theoretic Methods in Logic Programming, following the JICSLP '92*, pages 15–28. H. Blair and W. Marek and A. Nerode and J. Remmel, November 1992.

### 1993

- [96] Jürgen Dix and Martin Müller. Implementing Semantics for Disjunctive Logic Programs Using Fringes and Abstract Properties. In Luis Moniz Pereira and Anil Nerode, editors, *Logic Programming and Non-Monotonic Reasoning, Proceedings of the Second International Workshop*, pages 43–59. Lisbon, MIT Press, July 1993.

### 1994

- [97] Jürgen Dix and Martin Müller. An Axiomatic Framework for Representing and Characterizing Semantics of Disjunctive Logic Programs. In Pascal Van Hentenryck, editor, *Proceedings of the 11th Int. Conf. on Logic Programming, S. Margherita Ligure*, pages 303–322, MIT, June 1994.
- [98] Jürgen Dix, Georg Gottlob, and Viktor Marek. Causal Models for Disjunctive Logic Programs. In Pascal Van Hentenryck, editor, *Proceedings of the 11th Int. Conf. on Logic Programming, S. Margherita Ligure*, pages 290–302, MIT, June 1994.
- [99] Jürgen Dix and Martin Müller. Extensions and Improvements of the Stable Semantics. In Z.W. Ras and M. Zemankova, editors, *Proceedings of the 8th Int. Symp. on Methodologies for Intelligent Systems, Charlotte, NC, 1994*. Springer, Lecture Notes in Artificial Intelligence 869, pages 511–520, August 1994.
- [100] Stefan Brass and Jürgen Dix. A Disjunctive Semantics based on Bottom-Up Evaluation and Unfolding. In Bernd Wolfinger, editor, *Innovationen bei Rechen- und Kommunikationssystemen, (IFIP-Congress, Workshop FG2: Disjunctive Logic Programming and Disjunctive Databases)*, pages 83–91. Springer-Verlag, August 1994.
- [101] Jürgen Dix and Martin Müller. The Stable Semantics and its Variants: A Comparison of Recent Approaches. In L. Dreschler-Fischer and B. Nebel, editors, *Proceedings of the 18th German Annual Conference on Artificial Intelligence (KI '94), Saarbrücken, Germany*. Springer, Lecture Notes in Artificial Intelligence 861, pages 82–93, September 1994.
- [102] Stefan Brass and Jürgen Dix. Computing Disjunctive Stable Semantics based on Clark's Completed Database. In *Proc. of the 6th GI-Workshop "Grundlagen von Datenbanken", Bad Helmstedt*, pages 30–34, September 1994.
- [103] Stefan Brass and Jürgen Dix. A Characterization of the Stable Semantics by Partial Evaluation. In *Proc. of the 10th Workshop on Logic Programming, Zuerich*, October 1994.

## 1995

- [104] Stefan Brass and Jürgen Dix. A General Approach to Bottom-Up Computation of Disjunctive Semantics. In J. Dix, L. Pereira, and T. Przymusiński, editors, *Nonmonotonic Extensions of Logic Programming*, pages 127–156. Springer LNCS 927, April 1995.
- [105] Stefan Brass and Jürgen Dix. Characterizations of the Stable Semantics by Partial Evaluation. In A. Nerode, W. Marek, and M. Truszczyński, editors, *Logic Programming and Non-Monotonic Reasoning, Proceedings of the Third International Conference*, pages 85–98. Springer LNCS 928, June 1995.
- [106] Stefan Brass and Jürgen Dix. Disjunctive Semantics based upon Partial and Bottom-Up Evaluation. In Leon Sterling, editor, *Proceedings of the 12th Int. Conf. on Logic Programming, Tokyo*, pages 199–213, MIT, June 1995.
- [107] Jürgen Dix. Characterizing Semantics by Partial Evaluation. 10 th International Congress of Logic, Methodology and Philosophy of Science, Florence, Italy, August 1995.

## 1996

- [108] Chandrabose Aravindan, Peter Baumgartner, Jürgen Dix, Ulrich Furbach, Gerd Neugebauer, Ilkka Niemelä, Dorothea Schäfer, and Frieder Stolzenburg. On merging theorem proving and logic programming paradigms. In M. Maher, editor, *Proceedings of the Joint International Conference and Symposium on Logic Programming*, page 546, Bonn, Germany, MIT Press, September 1996.
- [109] Chandrabose Aravindan, Peter Baumgartner, Jürgen Dix, Ulrich Furbach, Gerd Neugebauer, Ilkka Niemelä, Dorothea Schäfer, and Frieder Stolzenburg. On merging theorem proving and logic programming paradigms. In N. Fuchs and U. Geske, editors, *Proceedings of the Poster Session at the Joint International Conference and Symposium on Logic Programming*, GMD-Studien Nr. 296, pages 99–122, 1996.
- [110] Stefan Brass and Jürgen Dix. Characterizing D-WFS: Confluence and Iterated GCWA. In Eva Orłowska and L. M. Pereira, editors, *Proceedings of JELIA '96, Evora, Portugal*, pages 268–283. Springer LNCS 1126, September 1996.
- [111] Stefan Brass, Jürgen Dix, and Teodor C. Przymusiński. Super Logic Programs. In L.C. Aiello, J. Doyle and St. Shapiro, editors, *Principles of Knowledge Representation and Reasoning: Proceedings of the Fifth International Conference (KR '96)*, pages 529–541. San Mateo, CA, Morgan Kaufmann, November 1996.

## 1997

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## 2000

- [121] Carlos Chesñevar, Jürgen Dix, Guillermo Simari and Frieder Stolzenburg. Relating Defeasible and Normal Logic Programming through Transformation Properties. *Proceedings of the Argentinean Conference on Computer Science (CACIC 2000)*, pages 371–381, October 2000.

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## 2002

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- [132] Acosta Guadarrama, J. C. and Jürgen Dix and Mauricio Osorio and Zacarías, Fernando. Updates in Answer Set Programming based on structural properties. In Sheila McIlraith, Pavlos Peppas, Michael Thielscher (Eds.), Proceedings of the 7th International Symposium on Logical Formalizations of Commonsense Reasoning, pages 213–219, Corfu, Greece, May 2005.
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## 5 Additional Scientific Papers (48)

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- [141] Jürgen Dix. Logik und Spezifikation. Technical report, Institut für Mikrorechner und Automation, University of Karlsruhe, Computer Science Department, POBox 6980, 7500 Karlsruhe, Februar 1988.
- [142] Jürgen Dix, Peter Schmitt, and Reiner Hähnle. Über die Negation im logischen Programmieren und ihre Beziehung zu nichtmonotonen Logiken: Teil 1. Interner Bericht 13/90, Inst. für Logik, Komplexität und Deduktionssysteme, April 1990.
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- [146] Jürgen Dix and David Makinson. A Note on the Relationship between KLM and MAK models for Nonmonotonic Inference Operations. Technical Report 16/91, Institute for Logic and Complexity, University of Karlsruhe, November 1991.
- [147] Jürgen Dix. *Nichtmonotones Schliessen und dessen Anwendung auf Semantiken logischer Programme*. PhD thesis, University of Karlsruhe, October 1992.
- [148] Jürgen Dix. *Disjunctive Deductive Databases: Theoretical Foundations and Operational Semantics*. Habilitation thesis, Technical University of Vienna, Institute for Information Systems, October 1995.
- [149] Jürgen Dix. *Nichtmonotones Schliessen, Vorlesungsskriptum*. Universität Koblenz-Landau, Institut für Informatik. July 1995. 120 pages .
- [150] Jürgen Dix. *Deduktive Datenbanken, Vorlesungsskriptum*. Universität Koblenz-Landau, Institut für Informatik. May 1996. 140 pages .
- [151] Jürgen Dix. *Künstliche Intelligenz, Vorlesungsskriptum*. Universität Koblenz-Landau, Institut für Informatik. März 1997. 165 pages .

- [152] Jürgen Dix. *Künstliche Intelligenz und Wissensrepräsentation, Vorlesungsskriptum*. Technische Universität Wien, Institut für Informationssysteme. October 1997. 195 pages .
- [153] Chandrabose Aravindan, Jürgen Dix and Ilkka Niemelä. The DisLoP project. University of Koblenz, Department of Computer Science, Rheinau 1. Technical report 1/97, January 1997.
- [154] Stefan Brass and Jürgen Dix. A Confluent Calculus for D-WFS. University of Koblenz, Department of Computer Science, Rheinau 1, August 1995. Technical report 12/95, December 1995.
- [155] Stefan Brass, Jürgen Dix, Ilkka Niemelä and Teodor C. Przymusiński. A Comparison of Static Semantics and D-WFS. Technical Report TR 2/96, University of Koblenz, Department of Computer Science, Rheinau 1, February 1996.
- [156] Stefan Brass, Jürgen Dix, and Teodor C. Przymusiński. Characterizations and Implementation of Static Semantics of Disjunctive Programs. Technical Report TR 4/96, University of Koblenz, Department of Computer Science, Rheinau 1, February 1996.
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- [161] Jorge Arrazola and Jürgen Dix and Mauricio Osorio. Confluent Rewriting Systems for Logic Programming Semantics. Technical Report TR 27/97, University of Koblenz, Department of Computer Science, Rheinau 1, November 1997.
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- [164] Jürgen Dix and George Pick and V.S. Subrahmanian. Meta-Agent Programs. Technical Report CS-TR-4053, Dept. of CS, University of Maryland, College Park, MD 20752, September 1999.

- [165] Jürgen Dix and Sarit Kraus and V.S. Subrahmanian. Temporal Agent Programs. Technical Report CS-TR-4055, Dept. of CS, University of Maryland, College Park, MD 20752, September 1999.
- [166] Jürgen Dix and Mirco Nanni and V.S. Subrahmanian. Probabilistic Agent Reasoning. Technical Report CS-TR-4054, Dept. of CS, University of Maryland, College Park, MD 20752, September 1999.
- [167] Stefan Brass, Jürgen Dix, Burkhard Freitag and Ulrich Zukowski Transformation-Based Bottom-Up Computation of the Well-Founded Model. Technical Report TR 15/98, University of Koblenz, Department of Computer Science, Rheinau 1, September 1998.
- [168] Jürgen Dix. Detailed Report on the First LP&NMR Retreat, October 8–11, 1994. *Computational Logic*, **1(2)**:46–48, 1995.
- [169] Jürgen Dix The Logic Programming Paradigm. Technical Report TR 16/98, University of Koblenz, Department of Computer Science, Rheinau 1, July 1998.
- [170] Stefan Brass and Jürgen Dix and Teodor Przymusiński. Super Logic Programs. Technical Report TR 17/98, University of Koblenz, Department of Computer Science, Rheinau 1, July 1998.
- [171] Jorge Arrazola and Jürgen Dix and Mauricio Osorio and Claudia Zepeda. Well-behaved semantics for Logic Programming. Technical Report TR 18/98, University of Koblenz, Department of Computer Science, Rheinau 1, October 1998.
- [172] Jürgen Dix and Mauricio Osorio and Claudia Zepeda. A General Theory of Confluent Rewriting Systems for Logic Programming and its Applications Technical Report CS-TR-4050, Dept. of CS, University of Maryland, College Park, MD 20752, September 1999.
- [173] Jürgen Dix and Steffen Hölldobler. Inference Mechanisms in Knowledge-Based Systems: Theory and Applications. Technical Report TR 19/98, University of Koblenz, Department of Computer Science, Rheinau 1, September 1998.
- [174] Jürgen Dix and Karl Schlechta. Explaining Updates by minimal Sums. Technical Report CS-TR-4051, Dept. of CS, University of Maryland, College Park, MD 20752, September 1999.
- [175] Jürgen Dix and Hector Munoz-Avila and Dana Nau. IMPACTing Shop: Foundations for Integrating HTN Planning and Multi Agency. Technical Report CS-TR-4100, Dept. of CS, University of Maryland, College Park, MD 20752, January 2000.
- [176] Jürgen Dix and Fatma Özcan and V.S. Subrahmanian. Improving Performance of Heterogenous Agents. Technical Report CS-TR-4202, Dept. of CS, University of Maryland, College Park, MD 20752, November 2000.
- [177] Jürgen Dix and Hector Munoz-Avila and Dana Nau and Lingling Zhang. Planning in a multi agent environment: Theory and Practice. Technical Report CS-TR-4331 (UMIACS-TR-2002-13), Dept. of CS, University of Maryland, College Park, MD 20752, January 2002.

- [178] Jürgen Dix and Dana Nau and Ugur Kuter. HTN planning in Answer Set Programming. Technical Report CS-TR-4332 (UMIACS-TR-2002-14), Dept. of CS, University of Maryland, College Park, MD 20752, February 2002.
- [179] Jürgen Dix and Sarit Kraus and VS Subrahmanian. Agents dealing with time and uncertainty. Technical Report CS-TR-4336 (UMIACS-TR-2002-17), Dept. of CS, University of Maryland, College Park, MD 20752, February 2002.
- [180] Jürgen Dix and Ugur Kuter and Dana Nau. Planning in Answer Set Programming using Ordered Task Decomposition. Technical Report Series IfI-05-01, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, February 2005.
- [181] Jürgen Dix and Wolfgang Faber and VS Subrahmanian. The Relationship between Reasoning about Privacy and Default Logics. Technical Report Series IfI-05-02, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, February 2005.
- [182] Jürgen Dix and Sarit Kraus and VS Subrahmanian. Heterogeneous Temporal Probabilistic Agents. Technical Report Series IfI-05-03, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, March 2005.
- [183] Jürgen Dix and Yingqian Zhang. IMPACT: A multi-agent framework with declarative semantics. Technical Report Series IfI-05-07, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, April 2005.
- [184] Wojtek Jamroga and Jürgen Dix. Model Checking Abilities of agents: A closer Look. Technical Report Series IfI-06-02, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, September 2006.
- [185] Peter Novak and Jürgen Dix. Adding Structure to Agent Programming Languages. Technical Report Series IfI-06-12, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, September 2006.
- [186] Mehdi Dastani and Jürgen Dix and Peter Novak. The Second Contest on Multi-Agent Systems based on Computational Logic. Technical Report Series IfI-06-13, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, September 2006.
- [187] Wojtek Jamroga and Jürgen Dix. Model Checking Abilities under Incomplete Information Is Indeed  $\Delta_2^P$ -complete. Technical Report Series IfI-06-10, Dept. of Informatics, Clausthal University of Technology, ISSN 1860-8477, September 2006.

## 6 Supervised Papers (39)

### Supervised PhD's

#### 1998

- [188] Wenjin Lue. Nonmonotonic Reasoning based on Minimal Models and its Implementation. University of Koblenz, Koblenz, Germany. Dissertation, November 1998.

## **2005**

- [189] Frank Stamm. Statische Analyse von Java-Programmen. Clausthal University of Technology, Clausthal, Germany. Dissertation (in german), August 2005.
- [190] Yingqian Zhang. Fault-tolerant multi agent systems. The University of Manchester, Manchester, United Kingdom. PhD, November 2005.

## **2006**

- [191] Andreas Brüning. Continuous and Multi-Distributive Extensions of EDAs. Clausthal University of Technology, Clausthal, Germany. Dissertation, May 2006.

## **Main Referee (External Examiner) for PhD's**

### **1994**

- [192] Yong Hu. Declarative Semantics for Logic Programming. The University of Alberta, Edmonton, Canada. PhD, May 1994.

### **2001**

- [193] Pablo Fillotrani. Semantics for Negation in Extended Logic Program. University del Sur, Bahia Blanca, Argentina. PhD, March 2001.

### **2004**

- [194] Ioannis Xanthakos. Semantic Integration of Information by Abduction. Imperial College, London, UK. PhD, January 2004.

### **2005**

- [195] Arianna Tocchio. Intelligent Agents in Computational Logic. Università della Studi Dell Aquila, Aquila, Italy. PhD, May 2005.

### **2006**

- [196] Owen Cliffe. Specifying and Analysing Institutions in Multi-Agent Systems using Answer Set Programming. University of Bath, Bath, UK. PhD, October 2006.

## **Diploma-, Bachelor-, Master-Theses**

### **1990–1993**

- [197] 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.

- [198] 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.
- [199] Axel Dold. Ginsberg's Bilattices and Nonmonotonic Consequence Operations. Technical report, Master Thesis, Karlsruhe University (in german), 1992.
- [200] Thomas Fuchß. Bilattices and their Application to Semantics of Logic Programs. Technical report, Master Thesis, Karlsruhe University (in german), November 1992.
- [201] Bertram Ludäscher. CNF-Prolog: A Meta-Interpreter for Chan's Constructive Negation, Implementation. Technical report, Master Thesis, Karlsruhe University (in german), June 1991.
- [202] Martin Müller. Disjunctive Logic Programs: Characterization and Implementation. Diploma thesis, Universität Karlsruhe, (in German), January 1993.
- [203] Martin Müller. Examples and Run-Time Data from KORF, January 1993.
- [204] 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

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

### 2000–2003

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

### 2004

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

## 2005

- [211] Bernd Fuhrmann. A Metainterpreter for different kinds of Update-Semantics in the context of Logic Programming. Studienarbeit, TU Clausthal (in german), August 2005.
- [212] Matthias Glagow. Analyse von Nachbarschaftsoperatoren für das Traveling Salesman Problem. Studienarbeit, TU Clausthal (in german), April 2005.
- [213] Thomas Goerz. Modellbasierte Diagnose des Zündsystems im Ottomotor zur Herleitung von Fehlersuchanleitungen in einer KFZ-Werkstatt. Diploma Thesis, TU Clausthal (in german), August 2005.
- [214] Janko Heilgeist. Der SAW-Algorithmus als Lösungsansatz für G3C. Studienarbeit, TU Clausthal (in german), August 2005.
- [215] Andrzej Kononowicz. Agenten im E-Learning. Diploma Thesis, TU Clausthal (in german), July 2005.
- [216] Michael Lesniak. Syntaktische Transformation rekursiver Methoden in Java. Studienarbeit, TU Clausthal (in german), May 2005.
- [217] Claus Lohrberg. Theorembeweiser für das Verification Tool (VTool). Studienarbeit, TU Clausthal (in german), May 2005.

## 2006

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

## 2007

- [222] Michael Lesniak. Solving consistency conflicts in distributed ontologies. Diplomarbeit, TU Clausthal, February 2007.
- [223] Michael Köster. NN Diplomarbeit, TU Clausthal, August 2007.
- [224] David Mainzer. NN Diplomarbeit, TU Clausthal, August 2007.
- [225] Dominik Steinborn. NN Diplomarbeit, TU Clausthal, August 2007.
- [226] Bernd Fuhrmann. NN Diplomarbeit, TU Clausthal, August 2007.

## 7 Invited Talks (65)

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 **65 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*,
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: Reinhardtsbrunn, 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.*
64. **“Do Agents make Model Checking explode?”**,  
June 4, 2006: Bristol, United Kingdom.  
*Dept. of Computer Science.*