

Curriculum vitae

Thomas Andreas Meyer

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Biographical information

Date of birth: 14 January 1964, Randburg, South Africa.

Marital status: Married to Louise Leenen. We have two children.

Citizenship: Australian and South African.

Qualifications

1. PhD (Computer Science), University of South Africa, Pretoria, South Africa, 1999.
2. MSc (Computer Science), Rand Afrikaans University (now the University of Johannesburg), Johannesburg, South Africa, 1986.
3. BSc Honours (Computer Science) with distinction, Rand Afrikaans University (now the University of Johannesburg), Johannesburg, South Africa, 1985.
4. BSc (Computer Science, Mathematical Statistics), Rand Afrikaans University (now the University of Johannesburg), Johannesburg, South Africa, 1984.

Employment and positions held

1. July 2015 to date: Professor, Department of Computer Science, University of Cape Town, Cape Town, South Africa.
2. July 2015 to June 2020: Director, Centre for Artificial Intelligence Research (CAIR), CSIR, Pretoria, South Africa.
3. July 2015 to June 2020: UCT-CSIR Chair in Artificial Intelligence, University of Cape Town, Cape Town, South Africa.
4. August 2011 to June 2015: Chief Scientist, CSIR Meraka Institute, Pretoria, South Africa.
5. May 2011 to June 2015: Director of the UKZN/CSIR Meraka Centre for Artificial Intelligence Research, CSIR and University of KwaZulu-Natal, South Africa.
6. August 2007 to July 2011: Principal Researcher, CSIR Meraka Institute, Pretoria, South Africa.
7. August 2007 to June 2015: Research Group Leader of the Knowledge Representation and Reasoning group (KRR) at the CSIR Meraka Institute, Pretoria, South Africa.
8. July 2008 to June 2015: Honorary Professor, School of Computer Science, University of KwaZulu-Natal, South Africa.
9. March 2009 to December 2013: Extraordinary Professor, School of Computing, University of South Africa.
10. July 2005 to July 2007: Senior Researcher, July 2005 to July 2007, National ICT Australia (NICTA), Sydney, Australia.
11. December 2004 to July 2007: Conjoint Associate Professor, School of Computer Science and Engineering, University of New South Wales, Sydney, Australia.
12. January 2003 to June 2005: Researcher, National ICT Australia, Sydney, Australia.
13. January 2001 to December 2002: Associate Professor, Department of Computer Science, School of Information Technology, University of Pretoria, Pretoria, South Africa.
14. August 2000 to September 2001: Post-Doctoral Research Fellow, Decision Systems Laboratory, Department of Information Systems, University of Wollongong, Australia.
15. September 1999 to December 2000: Senior Lecturer, Department of Computer Science, School of Information Technology, University of Pretoria, South Africa.
16. May 1990 to August 1999: Senior Lecturer, Department of Computer Science and Information Systems, University of South Africa, Pretoria, South Africa.
17. January 1986 to December 1986: Junior Lecturer, part time, Department of Computer Science, Rand Afrikaans University, Johannesburg, South Africa.
18. January 1985 to December 1985: Software consultant for Infosystems, a software house based in Johannesburg, South Africa.

Professional recognition

1. I have an h-index of 27 (18 since 2014), and an i10-index of 64 (33 since 2014) as accessed on Google Scholar on 25 August 2019.¹
2. Rated as an Internationally Acclaimed (B2-rated) Researcher by the South African National Research Foundation (2016-2021).
3. Invited Speaker at the 15th International Colloquium on Theoretical Aspects of Computing, Stellenbosch, 12-19 October 2018.
4. Keynote Speaker at the First International Workshop on Logics for Reasoning about Preferences, Uncertainty and Vagueness (PRUV 2014) Vienna, Austria, July 23-24, 2014.
5. Keynote Speaker at the Second Workshop on Automated Reasoning about Context and Ontology Evolution (ARCOE 2010), Lisbon, Portugal, August 2010.
6. Keynote Speaker at the International Workshop on Ontology Dynamics (IWOD 2008), Karlsruhe, Germany, October 2008.

Professional service

Steering Committees and Advisory Boards

1. Member of the Steering Committee of Principles of Knowledge Representation and Reasoning, Incorporated (KR, Inc.), 2014 to present. KR Inc. is a Scientific Foundation incorporated in the state of Massachusetts of the United States of America concerned with fostering research and communication on knowledge representation and reasoning. KR, Inc. is the international academic body governing my area of expertise, Knowledge Representation and Reasoning.
2. Member of the Steering Committee of the International Workshop series on Description Logics, 2013 to 2016, and again from 2019.
3. Member of the Steering Committee of the International Workshop series on Non-Monotonic Reasoning since 2010. Chair for 2015 to 2018.
4. Member of the Advisory Committee for the joint NIST-Ontolog-NCOR Ontology Summit, 2008.

Editorial

I am on the editorial boards of the two top journals in my area of expertise.

1. Editorial board member of the journal Artificial Intelligence, 2013 to 2014. Associate Editor since 2015.
2. Editorial board member of the Journal for Artificial Intelligence Research (JAIR), 2012 to 2018. Associate Editor since 2019.

¹<https://scholar.google.co.za/citations?user=Ua2MNSoAAAAJ&hl=en>

Conference and workshop chairing

1. Awarded the bid to host the International Joint Conference on Artificial Intelligence (IJCAI 2023) in Cape Town.
2. Program Co-Chair of the 33rd International Workshop on Description Logics (DL 2020).
3. Local Chair of the Forum on Artificial Intelligence (FAIR 2019).
4. Senior Program Committee member of International Semantic Web Conference (ISWC 2019).
5. Senior Program Committee member of the International Joint Conference on Artificial Intelligence (IJCAI 2011, 2013, 2015, 2017, 2018, 2019).
6. Co-organiser of a Dagstuhl Seminar on The Role of Non-monotonic Reasoning in Future Development of Artificial Intelligence, Schloss Dagstuhl, Germany, February 2019.
7. Senior Program Committee member of the Australasian Joint Conference on Artificial Intelligence (2016, 2017).
8. Local Chair of the 15th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016).
9. Co-organiser of the 29th International Workshop on Description Logics (DL 2016).
10. Co-organiser of the 16th International Workshop on Non-Monotonic Reasoning (NMR 2016).
11. Co-organiser of the Joint Ontology Workshops (JOWO 2015), co-located with the International Joint Conference on Artificial Intelligence (IJCAI 2015).
12. Co-organiser of a Research School on Foundations and Challenges of Change in Ontologies and Databases, Bozen-Bolzano, Italy, January 2014.
13. Co-organiser of a Dagstuhl Seminar on Foundations and Challenges of Change and Evolution in Ontologies, Schloss Dagstuhl, Germany, October 2012.
14. Co-chair of the ECAI Workshop on Belief Change, Nonmonotonic Reasoning, and Conflict Resolution (BNC 2012).
15. Senior Program Committee member of the Conference of the Association for the Advancement of Artificial Intelligence (AAAI 2011).
16. Co-chair of a Special Track on AI and Robotics in Africa at Africon 2011.
17. Program Vice-Chair of the Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010).
18. Co-Chair of the International Workshop on Non-Monotonic Reasoning (NMR 2010).
19. Publicity Chair of the International Conference on Principles of Knowledge Representation (KR 2008).

20. Co-Chair of the Knowledge Representation Ontology Workshop (KROW 2008).
21. Co-founder and Co-Chair of the Australasian Ontology Workshop Series (AOW 2005, AOW 2006, AOW 2007, AOW 2009, AOW 2010, AOW 2012).

Program committee membership

I am involved on a regular basis in the organisation of a whole range of conferences and workshops. This includes all top conferences and workshops in my area of expertise.

Book reviewing

Book reviewer for the American Mathematical Society and the journal Artificial Intelligence.

Journal reviewing

I am a regular reviewer for a range of journals, including all the top journals in my field of expertise.

Reviewing

1. Member of the NRF Specialist Committee for Information Technology, 2015 to present.
2. Peer reviewer for the second Excellence in Research for Australia (ERA) evaluation in 2012 commissioned by the Australian Research Council.
3. Regular reviewer for the Australian Research Council.
4. Regular reviewer and panel member for the South African National Research Foundation.

Invitation only workshops

1. Dagstuhl Seminar on Extending the Synergies Between SAT and Description Logics, Schloss Dagstuhl, Germany, June 2020.
2. Workshop on Belief Revision and Argumentation, Madeira (2013, 2015, 2018).
3. Workshop on Information processing, rational beliefs and social interaction, Banff International Research Station, Banff, Canada, August 27-29, 2010 (unable to attend due to other commitments).
4. Dagstuhl Seminar on Formal Models of Belief Change in Rational Agents, Schloss Dagstuhl, Germany, August 2009.
5. Dagstuhl Perspectives Workshop on Theory and Practice of Argumentation Systems, Schloss Dagstuhl, Germany, January 2008.
6. Invitation to attend a Dagstuhl Seminar on Formal Models of Belief Change in Rational Agents, Schloss Dagstuhl, Germany, August 2007 (unable to attend due to other commitments).

7. Dagstuhl Seminar on Belief Change in Rational Agents, Schloss Dagstuhl, Germany, August 2005.
8. Workshop on Constraint programming, belief revision, and combinatorial optimization, Banff International Research Station, Banff, Canada, May 2003.

Membership of organisations

1. Association for the Advancement of Artificial Intelligence (AAAI).
2. South African Institute for Computer Scientists and Information Technologists (SAICSIT).
3. Association for Computing Machinery (ACM).

Projects and Grants

1. 2015-2020: Funding from the Department of Science and Technology for the UCT-CSIR Chair in Artificial Intelligence: Approximately R6 600 000.
2. 2015-2016: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R3 000 000.
3. 2014-2015: Project leader for competitive funding through a project funded by the Development Bank of South Africa for R450 000.
4. 2014-2015: Project leader for competitive funding through the Meraka Education Growth and Impact Initiative Programme for R105 000.
5. 2014-2015: Project leader for competitive funding through the Meraka eHealth Growth and Impact Initiative Programme for R921 000.
6. 2014-2015: Project leader for competitive funding through the Meraka Smart World Growth and Impact Initiative Programme for R499 000.
7. 2014-2015: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R3 000 000.
8. 2014-2015: Project leader for a project funded through the Department of Science and Technology's Resource Allocation Framework for R1 250 000.
9. 2014-2016: Project leader for a project funded through the National Research Foundation's Professional Development Programme for R4 815 000.
10. 2013-2014: Project leader for a project funded through the Department of Science and Technology's Resource Allocation Framework for R900 000.
11. 2013-2014: Project leader for competitive funding through the Meraka Growth and Impact Initiative Programme for R617 000.
12. 2013-2014: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R2 000 000.

13. 2012-2013: Project leader of a Core Parliamentary Grant for Research on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R2 500 000.
14. 2012-2013: Project leader of a Directed Parliamentary Grant for R & D on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R2 000 000.
15. 2011-2015: Awarded funding of R3 800 000 from the University of KwaZulu-Natal for establishing the Centre for Artificial Intelligence Research.
16. 2011-2012: Project leader of a Core Parliamentary Grant for Research on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R2 200 000.
17. 2011-2012: Project leader of a Directed Parliamentary Grant for R & D on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R1 800 000.
18. 2010-2012: Institutional coordinator of NET2, a three year EU funded FP7-PEOPLE-2009-IRSES programme totalling €354 000.
19. 2010-2011: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
20. 2010-2011: Project leader of a Directed Parliamentary Grant for R & D on Ontologies, for R1 000 000.
21. 2009-2010: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
22. 2009-2010: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R1 000 000.
23. 2009: Principal Investigator of a joint award totalling R130 000 by the South African National Research Foundation and the Royal Society to host a workshop on Reasoning with Description Logics.
24. 2008-2009: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
25. 2008-2009: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R1 000 000.
26. 2008-2009: Project leader of a project for the South African National Defence Force for R180 000.
27. 2008: Project leader of a project on Information Security funded by the Department of Science and Technology totalling R400 000.
28. 207-2008: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R700 000.
29. 2007-2010: Principal Investigator of a three year joint project of the South Africa/Italy collaboration programme, funded by the South African National Research Foundation (NRF) and the Italian Foreign Ministry, totalling R350 000.
30. 2007-2008: A seed grant totalling R700 000 for initiating research on Ontologies.

31. 2005-2008: Project leader of a three year NICTA project to build an Ontology Toolkit for \$472 000. In February 2007 the project became part of a joint NICTA-DSTO project: SAIL (Situation Awareness Informed by Logic).
32. 2005-2008: Primary Participant and Work Package Leader of the 3 year DisPRR NICTA project commencing in 2005 for \$461 000. The project became part of the NICTA SAFE project.
33. 2002-2004: A three year research grant from the South African National Research Foundation totalling R100 000. Was not taken up to a move to Australia.
34. 2000-2001: A Postdoctoral Fellowship from the South African National Research Foundation, totalling \$16000 (USD).
35. 2000-2002: A three year grant from the Research Development Programme at the University of Pretoria, South Africa, totalling R40 000.
36. A Prestige Scholarship for PhD studies in Computer Science from the South African National Research Foundation (formerly the Centre for Science Development) for \$12000 (USD).

Awards

1. From 2007 to 2014 my research group at the CSIR Meraka Institute won the following Meraka Excellence Awards:
 - Ivan Varzinczak: Emerging Researcher (Supervisor: Thomas Meyer), 2010.
 - Kodylan Moodley: Best student (Supervisor: Thomas Meyer), 2011.
 - Marlene Jivan: Administrative Support, 2012.
 - Thomas Meyer: Established Researcher, 2013.
 - Aurora Gerber: Human Capital Development, 2014.
2. Co-author of the best paper at the Seventh Australasian Ontology Workshop (AOW 2011), Perth, 2011.
3. Co-author of one of the ten best papers at the Sixteenth European Conference on Artificial Intelligence (ECAI 2004), Valencia, Spain, August 2004.

Teaching experience

Over 25 years experience of teaching at the following institutions with class sizes ranging from 10 students per class to 1500 students per class.

1. University of Johannesburg (formerly the Rand Afrikaans University), South Africa.
2. University of South Africa, Pretoria, South Africa.
3. University of Pretoria, South Africa.
4. University of New South Wales, Sydney, Australia.
5. Australian National University, Canberra, Australia.

6. University of KwaZulu-Natal, Durban, South Africa.
7. University of Cape Town, Cape Town, South Africa.

Summary of courses taught

First year: Programming in Pascal, C++ and C; discrete mathematics for computer science.

Second year: Programming in Pascal and C; software engineering; numerical methods; linear programming; data base theory; artificial intelligence in gaming.

Third year: Operating systems, programming in C++; information technology; computability theory; numerical methods; linear programming; database theory; introduction to logic.

Fourth year: Artificial intelligence; mathematical logic; modal logic, logic programming; formal aspects of computing; algorithm analysis and complexity, description logics.

MSc courses: Artificial intelligence; mathematical logic; automated reasoning; modal logic; logic programming.

PhD courses: Knowledge representation; belief revision; description logics.

Research supervision

1. Co-supervisor for Rachel Drake (MIT student, 2019-present).
2. Supervisor for Reid Swan (MSc student, 2019-present).
3. Supervisor for Victoria Chama (MSc student, 2018-present).
4. Supervisor for Adam Kaliski (MSc student, 2018-present).
5. Supervisor for Julian Chingoma (MSc student, 2018-present).
6. Supervisor for Michael Harrison (MSc student, 2018-present).
7. Supervisor for Alberto Tagliaro (MIT student, 2016-present).
8. Supervisor for Leon van Wyk (MIT student, 2016-present).
9. Supervisor for Pacome Ambassa (PhD student, 2016-present).
10. Co-supervisor for Wiebke Toussaint (MSc student, UCT, 2016-2019, with distinction).
11. Supervisor for Anesu Marufu (PhD student, 2016-2018).
12. Supervisor for Blessing Ojeme (PhD student, 2016-2018).
13. Supervisor for Mary-Jane Antia (MIT student, 2016-2018).
14. Supervisor for Leonard Botha (MSc student, UCT, 2016-2018).
15. Co-supervisor for Nishal Morar (MSc student, UKZN, 2014-2016).
16. Supervisor for Nasubo Ongoma (MSc student, UKZN, 2014-2015 (cum laude)).

17. Supervisor for Kody Moodley (PhD student, UKZN, 2011-2015).
18. Supervisor for Gavin Rens (PhD student, UKZN, 2010-2014).
19. Co-supervisor for Kevin Lee (PhD student, University of New South Wales, Australia, 2005-2012).
20. Supervisor for Kody Moodley (MSc student, UKZN, 2009-2011 (cum laude)).
21. Co-supervisor for Riku Nortjé (MSc student, UNISA, 2009-2011 (cum laude)).
22. Co-supervisor for Gibson Chimamiwa (MSc student, UNISA, 2008-2011).
23. Co-supervisor for Ka-Shu Wong (PhD student, University of New South Wales, Australia, 2005-2009).
24. Co-supervisor for Anne Cregan (PhD student, University of New South Wales, Australia, 2004-2008).
25. Co-supervisor for Zhi Qiang Zhang (MSc student, University of New South Wales, Australia, 2005-2006).
26. Supervisor for Tanya van der Vyver (MSc student, UNISA, 1998-1999 (cum laude)).

Postgraduate committees

1. Mikhail Rybakov, PhD , University of the Witwatersrand, South Africa, 2019.
2. Henriëtte Harmse, PhD , University of Pretoria, South Africa, 2019.
3. Hildegard Koen, University of Pretoria, South Africa, 2016.
4. Olukunle Ayodeji Ogundele, University of KwaZulu-Natal, South Africa, 2016.
5. Suwan Tongphu, PhD thesis, Sirindhorn International Institute of Technology, Thammasat University, Thailand, 2016.
6. Henriëtte Harmse, MSc thesis, University of KwaZulu-Natal, South Africa, 2015.
7. Mahsa Chitsaz, PhD thesis, Griffith University, Australia, 2015.
8. Zhe Wang, PhD thesis, Griffith University, Australia, 2011.
9. Matthew Horridge, PhD thesis, University of Manchester, United Kingdom, 2011.
10. Pakornpong Pothipruk, PhD thesis, University of Queensland, Australia, 2011.
11. Conrad Drescher, PhD thesis, Technical University Dresden, Germany, 2010.
12. Chung Tong Lee, PhD thesis, University of New South Wales, Australia, 2010.
13. Dennis Hooijmaijers, PhD thesis, University of South Australia, Australia, 2009.
14. Lynette Stevenson, MSc thesis, University of South Africa, South Africa, 2009.
15. P.L. van der Westhuizen, PhD thesis, University of South Africa, South Africa, 2007.
16. Yulin Ding, PhD thesis, University of Western Sydney, Australia, 2006.

17. Richard Cooke, MSc thesis, University of Cape Town, South Africa, 2006.
18. Tertia Hörne, MSc thesis, University of South Africa, South Africa, 1999.
19. Jacobus Schalk van der Merwe, MSc thesis, Potchefstroom University (now Northwest University), 1999.

Postdoctoral supervision

1. Dr Gavin Rens, Project on Probabilistic Belief Revision (PhD from UKZN), funded by the Claude Leon Foundation, January 2017 to December 2018.
2. Dr Gavin Rens, Project on Probabilistic Belief Revision (PhD from UKZN), jointly funded by the CSIR and the University of KwaZulu-Natal, April 2015 to March 2017.
3. Dr Ivan José Varzinczak (PhD from Université Paul Sabatier, France), Project on Belief Revision and Reasoning About Action, funded by the CSIR, August 2008 to July 2011.
4. Dr Ivan José Varzinczak, Project on Belief Revision and Nonmonotonic Reasoning (PhD from Université Paul Sabatier, France), jointly funded by the CSIR and the University of KwaZulu-Natal, August 2011 to July 2015.
5. Dr Giovanni Casini (PhD from the University of Pisa, Italy), Project on Nonmonotonic Reasoning, jointly funded by the CSIR, the University of KwaZulu-Natal, and the University of Pretoria, February 2012 to February 2016.
6. Dr Szymon Klarman (PhD from VU University, Amsterdam, Netherlands), Project on Temporal Description Logics and Stream Data, jointly funded by the CSIR and the University of KwaZulu-Natal, February 2013 to February 2015.

Publications

Proceedings edited

1. Thomas Meyer, Mehmet A. Orgun, Kerry Taylor, eds., *Advances in Ontologies 2010, Conferences in Research and Practice in Information Technology*, Volume 131, 2010, Australian Computer Society.
2. Thomas Meyer, Kerry Taylor, eds., *Advances in Ontologies 2009, Conferences in Research and Practice in Information Technology*, Volume 112, 2009, Australian Computer Society.
3. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies 2008, Conferences in Research and Practice in Information Technology*, Volume 90, 2008, Australian Computer Society.
4. Thomas Meyer, Abhaya C. Nayak, eds., *Advances in Ontologies 2007, Conferences in Research and Practice in Information Technology*, Volume 85, 2007, Australian Computer Society.

5. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies 2006*, *Conferences in Research and Practice in Information Technology*, Volume 72, 2006, Australian Computer Society.
6. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies 2005*, *Conferences in Research and Practice in Information Technology*, Volume 58, 2005, Australian Computer Society.

Guest editing of books and journals

1. AURONA GERBER, THOMAS MEYER, MEHMET A. ORGUN, KERRY TAYLOR, eds., *Advances in Ontologies in the book series: Ontologies: Theory and Applications in Information Systems and the Semantic Web*, Springer, to appear.
2. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies. Applied Artificial Intelligence*, 24, 2010.
3. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies. Expert Systems: The Journal of Knowledge Engineering* 25:3, 2008.

Refereed journal publications

I have published in all the top journals in my area of expertise.

1. Giovanni Casini, Umberto Straccia and Thomas Meyer: A polynomial Time Subsumption Algorithm for Nominal Safe ELO_{\perp} under Rational Closure. *Information Sciences*:1-33, 2018.
2. AURONA GERBER, NISHAL MORAR, THOMAS MEYER and CONNOR EARDLEY: Ontology-based support for taxonomic functions. *Ecological Informatics* 41:11-23, 2017.
3. Louise Leenen and Thomas Meyer: Semantic Technologies and Big Data Analytics for Cyber Defence, *International Journal of Cyber Warfare and Terrorism* 6(3):53-64, 2016.
4. Gavin Rens, Thomas Meyer, Gerhard Lakemeyer: SLAP: Specification Logic of Actions with Probability, *Journal of Applied Logic*, Vol. 12, No. 2, pp. 128-150, 2014.
5. Richard Booth, Thomas Meyer, Chattrakul Sombattheera: A General Family of Preferential Belief Removal Operators. *Journal of Philosophical Logic*, Vol. 41, No. 4, pp. 711-733, 2012.
6. Alexander Ferrein, Thomas Meyer: A Brief Overview of Artificial Intelligence in South Africa, *Artificial Intelligence Magazine*, Volume 33, Number 1, 2012 (invited submission).
7. Katarina Britz, Thomas Meyer, Ivan Varzinczak, Preferential Reasoning for Modal Logics, *Electronic Notes in Theoretical Computer Science* 278:55-69, 2011.
Richard Booth, Thomas Meyer, Ivan Varzinczak, Renata Wassermann: On the Link between Partial Meet, Kernel, and Infra Contraction and its Application to Horn Logic. *Journal of Artificial Intelligence Research*, Vol. 42, pp. 31-53, 2011.

8. Richard Booth, Thomas Meyer. How to revise a total preorder, *Journal of Philosophical Logic* 40(2):193-238, 2011 (invited paper).
9. Richard Booth, Thomas Meyer. Belief Change. *Journal of the Indian Council of Philosophical Research*, Vol. XXVII, No. 2, 2011 (invited paper).
10. Richard Booth, Thomas Meyer. Equilibria in Social Belief Removal. *Synthese*, 177:97-123, 2010.
11. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Double preference relations for generalized belief change. *Artificial Intelligence* 174(16-17):1339-1368, 2010.
12. Samir Chopra, Thomas Meyer, Ka-Shu Wong. Iterated Belief Change and the Recovery Axiom. *Journal of Philosophical Logic* 37(5):501-520, 2008.
13. Louise Leenen, Thomas Meyer, Aditya Ghose. Relaxations of semiring constraint satisfaction problems. *Information Processing Letters* 103(5): 177-182, 2007.
14. Richard Booth, Thomas Meyer. Admissible and Restrained Revision. *Journal of Artificial Intelligence Research* 26:127-151, 2006.
15. Samir Chopra, Aditya Ghose, Thomas Meyer. Social choice theory, belief merging, and strategy-proofness. *Information Fusion*, 7(1):61-79, 2006.
16. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Belief Liberation (and Retraction). *Studia Logica* 79(1):47-72, 2005.
17. Samir Chopra, Aditya Ghose, Thomas Meyer. Non-prioritized ranked belief change. *Journal of Philosophical Logic* 32(4):417-443, 2003.
18. Thomas Meyer, Johannes Heidema, Willem Labuschagne, Louise Leenen. Systematic Withdrawal. *Journal of Philosophical Logic* 31(5):415-443, 2002.
19. Thomas Meyer. On the semantics of combination operations. *Journal of Applied Non-Classical Logics* 11(1-2): 59-84, 2001.
20. Thomas Meyer. Basic Infobase Change. *Studia Logica* 67:215-242, 2001.
21. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Infobase change: A first approximation. *Journal of Logic, Language and Information* 9(3):353-377, 2000.
22. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Refined epistemic entrenchment. *Journal of Logic, Language and Information* 9(2):237-259, 2000.
23. Thomas Meyer. An information-theoretic semantics for belief change. *South African Computer Journal* 24:33-39, 1999.
24. Isabella Burger, Johannes Heidema, Willem Labuschagne, Thomas Meyer, Ben-Erik van Wyk. Gradogramme - 'n nuwe hulpmiddel vir kladistiese taksonomie (Gradograms - a new aid for cladistic taxonomy). *South African Journal for Science and Technology* 13(4):135-141, 1994.
25. Thomas Meyer, Theunis Smith, Louise Leenen. An efficient primal simplex implementation for the continuous 2-matching problem. *South African Computer Journal* 5:28-31, 1991.

26. Thomas Meyer, Theunis Smith, Gerald Thompson. Lower bounds for the symmetric travelling salesman problem. *Discrete Applied Mathematics* 26:209-217, 1990.

Refereed book chapters

1. Katarina Britz, Giovanni Casini, Thomas Meyer, Ivan Varzinczak: A KLM Perspective on Defeasible Reasoning for Description Logics. In Eds.: Carsten Lutz, Uli Sattler, Cesare Tinelli, Anni-Yasmin Turhan, Frank Wolter: *Description Logic, Theory Combination, and All That - Essays Dedicated to Franz Baader on the Occasion of His 60th Birthday*. *Lecture Notes in Computer Science* 11560, Springer, 147-173, 2019.
2. Ruttkamp-Bloem, E., Casini, G., Meyer, T.: A Non-Classical Logical Foundation for Naturalised Realism. In: *Logica Yearbook*, College Publications (2015).
3. Richard Booth, Meyer, T., Varzinczak, I.: A Propositional Typicality Logic for Extending Rational Consequence. In: *Trends in Belief Revision and Argumentation Dynamics*. King's College Publications (2013).
4. Booth, R., Meyer, T.: Belief Change. In: *Logic and Philosophy Today*, Vol. 1, *Studies in Logic*, Vol. 29. pp. 385-422. College Publications (2011).

Publications in refereed conference proceedings

I have published in all the top conferences in my area of expertise.

1. Casini, Giovanni, Thomas Meyer and Ivan Varzinczak (2019): Simple Conditionals with Constrained Right Weakening. In Sarit Kraus, Ed. *Proceedings International Joint Conference on Artificial Intelligence (IJCAI)*, pages 1632-1638, Macao.
2. Giovanni Casini, Thomas Meyer, Ivan Varzinczak: Taking Defeasible Entailment Beyond Rational Closure. In Francesco Calimeri, Nicola Leone, Marco Manna, Eds.: *Logics in Artificial Intelligence - 16th European Conference, JELIA 2019, Rende, Italy, May 7-11, 2019, Proceedings*. *Lecture Notes in Computer Science* 11468, Springer 2019, ISBN 978-3-030-19569-4, 182-197.
3. Leonard Botha, Thomas Meyer, Rafael Penaloza: A Bayesian Extension of the Description Logic ALC. In Francesco Calimeri, Nicola Leone, Marco Manna, Eds.: *Logics in Artificial Intelligence - 16th European Conference, JELIA 2019, Rende, Italy, May 7-11, 2019, Proceedings*. *Lecture Notes in Computer Science* 11468, Springer 2019, ISBN 978-3-030-19569-4, 339-354.
4. Rens, Gavin, Thomas Meyer, Gabriele Kern-Isberner and Abhaya Nayak (2018) Probabilistic Belief Revision via Similarity of Worlds. In Trollmann, Frank and Anno-Yasmin Turhan, Eds. *Proceedings KI 2018: Advances in Artificial Intelligence 41st German Conference on AI 11117*, pages 343-356, Berlin, Germany.
5. Rens, Gavin, Abhaya Nayak and Thomas Meyer (2018) Maximizing Expected Impact in an Agent Reputation Network. In Trollmann, Frank and Anni-Yasmin Turhan, Eds. *Proceedings KI 2018: Advances in Artificial Intelligence 41st German Conference on AI 11117*, pages 99-106, Berlin, Germany.

6. Casini, Giovanni, Eduardo Ferme, Thomas Meyer and Ivan Varzinczak (2018) A Semantic Perspective on Belief Change in a Preferential Non-Monotonic Framework. In Thielscher, Michael, Francesca Toni and Frank Wolter, Eds. Proceedings 16th International Conference on Principles of Knowledge Representation and Reasoning, pages 220-229, Phoenix, Arizona, USA.
7. Mouton, Francois, Marcel Teixeira and Thomas Meyer (2017) Benchmarking a Mobile Implementation of the Social Engineering Prevention Training Tool. In Venter, Hein, Marijke Coetzee, Marianne Looock and Mariki Eloff, Eds. Proceedings 16th International Information Security South Africa Conference, Johannesburg, South Africa.
8. Casini, Giovanni and Thomas Meyer (2017) Belief Change in a Preferential Non-Monotonic Framework. In Sierra, Carles, Eds. Proceedings International Joint Conference on Artificial Intelligence (IJCAI), pages 925-935, Melbourne, Australia.
9. Gerber, Aurona, Nishal Morar and Thomas Meyer (2017) Ontology-driven taxonomic work OWS for Afrotropical Bees. In Sachs, Joel, Eds. Proceedings TDWG Annual Conference, Ottawa, Canada.
10. Luke Bell, Thomas Meyer, and Francois Mouton. Mobile On-board Vehicle Event Recorder: MOVER. In Proceedings of the Information Communication Technology and Society Conference (ICTAS), Durban, South Africa, March 2017.
11. Gavin Rens, Giovanni Casini and Thomas Meyer. On Revision of Partially Specified Convex Probabilistic Belief Bases. In Maria Fox and Gal Kaminka, Eds. Proceedings of the European Conference on Artificial Intelligence (ECAI), pages 921-929, The Hague, The Netherlands, IOS Press (2016).
12. Giovanni Casini and Thomas Meyer. Using Defeasible Information to Obtain Coherence. In Baral, Chitta, James Delgrande and Frank Wolter, Eds. Proceedings Fifteenth International Conference on Principles of Knowledge Representation and Reasoning (KR), pages 537-540, Cape Town, South Africa, 2016.
13. Blessing Ojeme, Audrey Mbogho and Thomas Meyer. Probabilistic Expert Systems for Reasoning in Clinical Depressive Disorders. In Sayed-Mouchaweh, Moamar and Yun Raymond Fu, Eds. Proceedings 15th IEEE International Conference on Machine Learning and Applications (ICMLA), Anaheim, California, USA, 2016.
14. Giovanni Casini, Thomas Meyer, Kody Moodley, Ulrike Sattler and Ivan Varzinczak. Introducing Defeasibility into OWL Ontologies. In Arenas, M, O Corcho, E Strohmaier, M d'Aquin, K Srinivas, P Groth, M Dumontier, J Heflin, K Thirunarayan and S Staab, Eds. Proceedings of the 14th International Semantic Web Conference (ISWC), pages 409-426, Bethlehem, Pennsylvania, USA (2015).
15. Gavin Rens and Thomas Meyer. A New Approach to Probabilistic Belief Change. In Russel, Ingrid and William Eberle, Eds. Proceedings International Florida AI Research Society Conference (FLAIRS), pages 582-587, Hollywood, Florida, USA, 2015.
16. Richard Booth, Giovanni Casini, Thomas Meyer and Ivan José Varzinczak. On the Entailment Problem for a Logic of Typicality. In Proceedings of IJCAI 2015: Twenty-Fourth International Joint Conference on Artificial Intelligence, pages 2805-2811, Buenos Aires, Argentina, AAAI Press (2015).

17. Gavin Rens, Thomas Meyer, Gerhard Lakemeyer. A Modal Logic for the Decision-Theoretic Projection Problem. In: International Conference on Agents and Artificial Intelligence (ICAART) Vol. 2. pp. 5-16, SCITEPRESS DIGITAL LIBRARY (2015).
18. Rens, G., Meyer, T.: Hybrid POMDP-BDI: An Agent Architecture with Online Stochastic Planning and Desires with Changing Intensity Levels. In: International Conference on Agents and Artificial Intelligence (ICAART) Vol. 1. pp. 5-14, SCITEPRESS DIGITAL LIBRARY (2015).
19. Casini G., Meyer T., Moodley K., Nortjé: Relevant Closure: A New Form of Defeasible Reasoning for Description Logics. In Proceedings of the 14th European Conference on Logics in Artificial Intelligence (JELIA 2014), September 2014, Madeira, Portugal, pp. 92-106, Springer - LNAI volume 8761 (2014).
20. Klarman, S., Meyer, T.: Querying Temporal Databases via OWL 2 QL. In eds., Kontchakov R. and Mugnier M-L: Proceedings of the Eighth International Conference on Web Reasoning and Rule Systems (RR 2014), September 2014, Athens, Greece, Lecture Notes in Computer Science, Volume 8741, pp. 92-107, 2014.
21. Meyer, T., Moodley, K., Sattler, U.: Practical Defeasible Reasoning for Description Logics. In: Proceedings of the European Starting AI Researcher Symposium (STAIRS 2014), August 2014, Prague, Czech Republic, pp. 191-200, IOS Press (2014).
22. Rens, G., Meyer, T., Lakemeyer, G.: A Logic for Specifying Stochastic Actions and Observations. In: Proceedings of the International Symposium on Foundations of Information and Knowledge Systems (FoIKS), May 2014, Bordeaux, France, pp. 305-323, Springer-Verlag (2014).
23. Klarman, S., Meyer, T.: Prediction and Explanation over DL-Lite Data Streams. In: Proceedings of International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR-19), December 2013, Stellenbosch, South Africa.
24. Nortjé, R., Britz, K., Meyer, T.: Reachability modules for the Description Logic SRIQ. In: Proceedings of International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR-19), December 2013, Stellenbosch, South Africa.
25. Moodley, D., Meyer, T., Seebregts, C., Pillay, A.: An Ontology for Regulating eHealth Interoperability in Developing African Countries. In: J. Gibbons and W. MacCaull (Eds.): FHIES 2013, LNCS 8315. pp. 107-124. Springer Berlin Heidelberg (2013).
26. Moodley, K., Meyer, T., Varzinczak, I.: A Defeasible Reasoning Approach for Description Logic Ontologies. In: South African Institute for Computer Scientists and Information Technologists (SAICSIT). ACM (2012).
27. Rens, G., Lakemeyer, G., Meyer, T.: A Logic for Specifying Agent Actions and Observations with Probability. In: Kersting, K., Toussaint, M. (Eds.), Sixth Starting AI Researchers' Symposium (STAIRS 2012), Frontiers in Artificial Intelligence and Applications, Vol. 241. IOS Press (2012).
28. Casini, G., Gerber, A., Meyer, T.: A Note on the Translation of Conceptual Data Models into Description Logics: Disjointness and Covering Assumptions. In: South African Institute for Computer Scientists and Information Technologists (SAICSIT). ACM (2012).

29. Britz, K., Meyer, T., Varzinczak, I.: Normal Modal Preferential Consequence. In: Proceedings of the 25th Australasian Joint Conference on Artificial Intelligence. pp. 505-516, Springer (2012).
30. Booth, R., Meyer, T., Varzinczak, I.: PTL: A Propositional Typicality Logic. In: Proceedings of the 13th European Conference on Logics in Artificial Intelligence (JELIA). pp. 107-119, Springer (2012).
31. Britz, K., Meyer, T., Varzinczak, I.: Semantic Foundation for Preferential Description Logics. In: Proceedings of the 24th Australasian Joint Conference on Artificial Intelligence. pp. 491-500, Springer (2011).
32. Kodylan Moodley, Thomas Meyer, Ivan Varzinczak, Root Justifications for Ontology Repair, in eds. Sebastian Rudolph and Claudio Gutierrez, Proceedings of Web Reasoning and Rule Systems - 5th International Conference, RR 2011, Galway, Ireland, August 29-30, 2011, Springer, Lecture Notes in Computer Science, volume 6902.
33. Thomas Meyer, Ivan Varzinczak, A Logic-Based Perspective on Agent Reconfiguration: Preliminary Report, Proceedings of IEEE Africon, Livingstone, Zambia, September 2011.
34. Louise Leenen, Ronell Alberts, Katarina Britz, Aurore Gerber, Thomas Meyer. Developing a Knowledge System for Information Operations, Proceedings of the International Conference on Information Warfare, Washington DC, USA, 17-18 March 2011.
35. Gavin Rens, Thomas Meyer, Ivan Varzinczak, Alexander Ferrein. A Logic for Reasoning about Actions and Explicit Observations. In, Jiuyong Li (Ed.), AI 2010: Advances in Artificial Intelligence (LNAI 6464). Proceedings of the 23rd Australasian Joint Conference. Adelaide, Australia, December 2010, pages 395-404.
36. Richard Booth, Thomas Meyer, Ivan José Varzinczak, Renata Wassermann. A Contraction Core for Horn Belief Change. ECAI 2010: Proceedings of the 19th European Conference on Artificial Intelligence, 16-20 August 2010, Lisbon, Portugal.
37. Katarina Britz, Johannes Heidema and Thomas Meyer. Modelling object typicality in description logics. In A. Nicholson and X. Li eds., AI²09: Proceedings of the 22nd Australasian Joint Conference on Artificial Intelligence, LNCS 5866, Springer, pages 506-516, 2009.
38. Richard Booth, Thomas Meyer and Ivan José Varzinczak. Next Steps in Propositional Horn Contraction. In Craig Boutilier ed., Proceedings of IJCAI 2009: Twenty-First International Joint Conference on Artificial Intelligence, 702-707, AAAI Press, 2009.
39. Richard Booth, Thomas Meyer. Equilibria in social belief removal, In Patrick Doherty, Gerhard Brewka and Jérôme Lang eds., Proceedings of KR2008: Eleventh International Conference on the Principles of Knowledge Representation and Reasoning, pages 145-155, AAAI Press, 2008.
40. Katarina Britz, Johannes Heidema, Thomas Meyer. Semantic preferential subsumption, In Patrick Doherty, Gerhard Brewka and Jérôme Lang eds., Proceedings of KR2008: Eleventh International Conference on the Principles of Knowledge Representation and Reasoning, pages 476-484, AAAI Press, 2008.

41. Thomas Meyer, Chris Seebregts, Auroa Gerber, Arina Britz, Laurette Pretorius, Ronell Alberts, Deshen Moodley. The Integration of SNOMED CT into the OpenMRS Electronic Medical Record System Framework, in Kent Spackman and Ronald Cornet, eds., KR-MED 2008: Representing and Sharing Knowledge using SNOMED CT, page 122, 2008.
42. Louise Leenen, Anbulagan, Thomas Meyer, Aditya K. Ghose. Modeling and Solving Semiring Constraint Satisfaction Problems by Transformation to Weighted Semiring Max-SAT, in Mehmet A. Orgun, John Thornton, eds, Proceedings of AI 2007, the 20th Australian Conference on Artificial Intelligence, pages 202-212, 2007, Springer.
43. Zhi Qiang Zhuang, Maurice Pagnucco, Thomas Meyer. Implementing Iterated Belief Change Via Prime Implicates, in Mehmet A. Orgun, John Thornton, eds., Proceedings of AI 2007, 20th Australian Conference on Artificial Intelligence, pages 507-518, 2007, Springer.
44. Richard Booth, Thomas Meyer. On the Dynamics of Total Preorders: Revising Abstract Interval Orders, in Khaled Mellouli editor, Proceedings of ECSQARU 2007, Symbolic and Quantitative Approaches to Reasoning with Uncertainty, 9th European Conference, pages 42-53, 2007, Springer.
45. Thomas Meyer, Kevin Lee, Jeff Pan, Richard Booth. Finding Maximally Satisfiable Terminologies for the Description Logic ALC, in Proceedings of AAAI06, Twenty First National Conference on Artificial Intelligence, 2006, AAAI Press.
46. Laurent Perrussel, Jean-March Thévenin, Thomas Meyer. Mutual Enrichment for Agents through Nested Belief Change: A Semantic Approach, in Gerhard Brewka, Silvia Coradeschi, Anna Perini, Paolo Traverso (eds.): ECAI 2006, 17th European Conference on Artificial Intelligence, pages 731-732, 2006, IOS Press.
47. Louise Leenen, Thomas Meyer, Peter Harvey, Aditya Ghose, A Relaxation of a Semiring Constraint Satisfaction Problem using Combined Semirings, in Qiang Yang, Geoffrey I. Webb (Eds.): PRICAI 2006: Trends in Artificial Intelligence, 9th Pacific Rim International Conference on Artificial Intelligence, pages 907-911, 2006, Springer.
48. Richard Booth, Thomas Meyer, Ka-Shu Wong. A good day surfing is better than a bad day at the office: how to revise a total preorder, in Patrick Doherty, John Mylopoulos, Christopher A. Welty (eds.): Proceedings of KR 2006, Tenth International Conference on Principles of Knowledge Representation and Reasoning, pages 230-238, 2006, AAAI Press.
49. Laurent Perrussel, Jean-March Thévenin, Thomas Meyer. Mutual Enrichment through Nested Belief Change, in Hideyuki Nakashima, Michael P. Wellman, Gerhard Weiss, Peter Stone (eds.), 5th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2006), 2006, pages 226-228, 2006, ACM.
50. Thomas Meyer, Kevin Lee, Richard Booth. Knowledge integration for description logics, in Manuela Veloso and Subbarao Kambhampati, eds., Proceedings of AAAI05, Twentieth National Conference on Artificial Intelligence, 2005, pages 645-650, 2005, AAAI Press.

51. Thomas Meyer, Pilar Pozos, Laurent Perrussel. Mediation using m-states, in Lluis Godo, editor, Proceedings of ECSQARU 2005, Eighth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty, volume 3571 of Lecture Notes in Artificial Intelligence, pages 489-500, 2005, Springer-Verlag.
52. Norman Foo, Thomas Meyer, Gerhard Brewka. LPOD Answer Sets and Nash Equilibria, In M. J. Maher, editor, ASIAN04: Ninth Asian Computing Science Conference, volume 3321 of Lecture Notes in Computer Science, pages 352-361, 2004, Springer-Verlag.
53. Kevin Lee, Thomas Meyer. A classification of ontology modification, In Geoffrey I. Webb and Xinghuo Yu, eds., Proceedings of AI04, Advances in Artificial Intelligence, volume 3339 of Lecture Notes in Computer Science, pages 248-258, 2004, Springer-Verlag. .
54. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. A unifying semantics for belief change, In Ramon Lopez De Mantaras and Lorenza Saitta, eds., conferences of ECAI 2004: Sixteenth European Conference on Artificial Intelligence, pages 793-797, 2004, IOS Press.
55. Dongmo Zhang, Norman Foo, Thomas Meyer, Rex Kwok. Negotiation as Mutual Belief Revision, Proceedings of AAAI04, Nineteenth National Conference on Artificial Intelligence, pages 317-322, 2004, AAAI Press/The MIT Press.
56. Thomas Meyer, Norman Foo, Dongmo Zhang, Rex Kwok. Logical Foundations of Negotiation: Outcome, Concession and Adaptation, Proceedings of AAAI04: Nineteenth National Conference on Artificial Intelligence, pages 293-298, 2004, AAAI Press/The MIT Press.
57. Thomas Meyer, Norman Foo, Dongmo Zhang, Rex Kwok. Logical Foundations of Negotiation: Strategies and Preferences, In Didier Dubois, Christopher Welty and Mary-Anne Williams, eds., Proceedings of KR2004: Ninth International Conference on the Principles of Knowledge Representation and Reasoning, pages 311-318, 2004, AAAI Press.
58. Samir Chopra, Johannes Heidema, Thomas Meyer. Some Logics of Belief and Disbelief, In Tamas D. Gedeon and Lance Chun Che Fung, eds., AI03, Advances in Artificial Intelligence, volume 2903 of Lecture Notes in Artificial Intelligence, pages 364-376, 2003, Springer-Verlag.
59. Richard Booth, Samir Chopra, Aditya Ghose. Thomas Meyer, Belief Liberation (and Retraction), In Tennenholtz, editor, Proceedings of the Ninth Conference TARK 2003: Theoretical Aspects of Rationality and Knowledge, pages 159-172, 2003.
60. Thomas Meyer, Aditya Ghose, Samir Chopra. Syntactic Representations of Semantic Merging Operations, In Mitsuru Ishizuka and Abdul Sattar, eds., PRICAI 2002: The Seventh Pacific Rim International Conference on Artificial Intelligence, volume 2417 of Lecture Notes in Artificial Intelligence, page 620, 2002, Springer-Verlag.
61. Samir Chopra, Aditya Ghose, Thomas Meyer. Iterated revision and recovery: a unified treatment via epistemic states, in Frank van Harmelen, editor, ECAI 2002: 15th European Conference on Artificial Intelligence, pages 541-545, 2002, IOS Press.

62. Thomas Meyer, Aditya Ghose, Samir Chopra. Social choice, merging and elections, In Benferhat and Besnard, eds., *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, 6th European Conference: ECSQARU 2001, volume 2143 of *Lecture Notes in Artificial Intelligence*, pages 466-477, 2001, Springer.
63. Thomas Meyer, Aditya Ghose, Samir Chopra. Non-prioritised ranked belief change, In van Benthem, editor, *Proceedings of the Eight Conference TARK 2001: Theoretical Aspects of Rationality and Knowledge*, pages 151-162, 2001, Morgan Kaufmann.
64. Thomas Meyer. Merging Epistemic States. In Riichiro Mizoguchi and John Slaney, editors, *PRICAI 2000: Topics in Artificial Intelligence*, volume 1886 of *Lecture Notes in Artificial Intelligence*, pages 286-296, 2000, Springer-Verlag.
65. Thomas Meyer. Basic infobase change. In Norman Foo, editor, *AI99: Advanced Topics in Artificial Intelligence*, volume 1747 of *Lecture Notes in Artificial Intelligence*, pages 156-167, Berlin, 1999, Springer-Verlag.
66. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Power-orderings as a generalisation of minimal model semantics. *International Symposium on Artificial Intelligence*, Monterrey, Mexico, October 16-20 1995.
67. Thomas Meyer, Helene Rosenblatt, Willem Labuschagne, Johannes Heidema. Power-order Semantics for Nonmonotonic Logic II, SAICSIT Symposium, Pretoria, South Africa, 25-26 May 1995.
68. Helene Rosenblatt, Thomas Meyer, Willem Labuschagne, Johannes Heidema. Power-order Semantics for Nonmonotonic Logic I, SAICSIT Symposium, Pretoria, South Africa, 25-26 May 1995.
69. Thomas Meyer, Theunis Smith. A comparison of assignments and matching lower bounds for the symmetric travelling salesman problem. *Fifth South African Computer Symposium*, Sandton, South Africa, 29 November to 2 December 1989.
70. Thomas Meyer, Theunis Smith. Solving matching problems using branch-and-bound. *TIMS/ORSA Joint National Meeting*, New Orleans, USA, May 4-6, 1987.

Publications in refereed workshops and symposia

1. Giovanni Casini, Michael Harrison, Thomas Meyer, Reid Swan (2019): Arbitrary Ranking of Defeasible Subsumption. In Mantas Simkus, Grant E. Weddell, Eds. *Proceedings 32nd International Workshop on Description Logics*, Oslo, Norway.
2. Casini, Giovanni, Thomas Meyer and Ivan Varzinczak (2018) Defeasible Entailment: from Rational Closure to Lexicographic Closure and Beyond. In Ferme, Eduardo and Serena Villata, Eds. *Proceedings 17th International Workshop on Non-Monotonic Reasoning*, pages 109-118, Phoenix, Arizona, USA.
3. Botha, Leonard, Thomas Meyer and Rafael Penaloza (2018) The Bayesian Description Logic BALC. In Ortiz, Magdalena and Thomas Schneider, Eds. *Proceedings 31st International Workshop on Description Logics 2211*, Phoenix, Arizona, USA.

4. Rens, Gavin, Thomas Meyer and Deshendran Moodley (2017) A Stochastic Belief Management Architecture for Agent Control. In Thorisson, Kristin, Pei Wang, Kamilla Johannsdotter, Joshua Bach and Jordi Bieger, Eds. Proceedings IJCAI-17 Workshop on ARCHITECTURES FOR GENERALITY & AUTONOMY, Melbourne, Australia.
5. Gavin Rens, Giovanni Casini and Thomas Meyer. Revising Incompletely Specified Convex Probabilistic Belief Bases. In Kern-Isberner, Gabriele and Renata Wassermann, Eds. Proceedings Sixteenth International Workshop on Non-Monotonic Reasoning (NMR), pages 133-142, Cape Town, South Africa, 2016.
6. Booth, R., Casini, G., Meyer, T., Varzinczak, I.: What Does Entailment for PTL Mean? In: Proceedings of the Twelfth International Symposium on Logical Formalizations of Commonsense Reasoning (COMMONSENSE 2015), March 2015, Stanford, USA.
7. Moodley, K., Meyer, T., Sattler, U.: DIP: A Defeasible-Inference Platform for OWL Ontologies. In: Proceedings of the 27th International Workshop on Description Logics (DL 2014), June 2014, Vienna, Austria, pp. 671-683.
8. Ongoma, N., Keet, M., Meyer, T.: Transition Constraints for Temporal Attributes. In: Proceedings of the 27th International Workshop on Description Logics (DL 2014), June 2014, Vienna, Austria, pp. 684-695.
9. Klarman, S., Meyer, T.: Complexity of Temporal Query Abduction in DL-Lite. In: Proceedings of the 27th International Workshop on Description Logics (DL 2014), June 2014, Vienna, Austria, pp 233-244.
10. Nortjé, R., Britz, K., Meyer, T.: Module-theoretic properties of reachability modules for SRIQ. In: Proceedings of the 26th International Workshop on Description Logic (DL 2013), June 2013, Ulm, Germany.
11. Casini, G., Meyer, T., Moodley, K., Varzinczak, I.: Nonmonotonic reasoning in Description Logics. Rational Closure for the ABox. In: Proceedings of the 26th International Workshop on Description Logic (DL 2013), June 2013, Ulm, Germany.
12. Rens, G., Meyer, T., Lakemeyer, G.: On the Logical Specification of Probabilistic Transition Models. In: Proceedings of the Eleventh International Symposium on Logical Formalizations of Commonsense Reasoning (COMMONSENSE 2013), May 2013, Cyprus.
13. Britz, K., Casini, G., Meyer, T., Varzinczak, I.: Preferential Role Restrictions. In: Proceedings of the 26th International Workshop on Description Logic (DL 2013), June 2013, Ulm, Germany.
14. Casini, G., Meyer, T., Moodley, K., Varzinczak, I.: Towards Practical Defeasible Reasoning for Description Logics. In: Proceedings of the 26th International Workshop on Description Logic (DL 2013), June 2013, Ulm, Germany.
15. Nortjé, R., Britz, K., Meyer, T.: A normal form for hypergraph-based module extraction for SROIQ. In: 2012 Australasian Ontology Workshop, Sydney, Australia. (2012).
16. Moodley, K., Meyer, T., Varzinczak, I.: A Protégé Plugin for Defeasible Reasoning. In: Twenty Fifth International Workshop on Description Logics. (2012).

17. Johann Bergh, Auroa Gerber, Thomas Meyer, Lynette van Zijl, Path analysis for ontology comprehension, in *Advances in Ontologies 2011, Conferences in Research and Practice in Information Technology*, 2011, Australian Computer Society.
18. Katarina Britz, Thomas Meyer, Ivan Varzinczak, Preferential Reasoning for Modal Logic, 7th Workshop on Methods for Modalities (M4M), Osuna, Spain, November 2011.
19. Riku Nortjé, Katarina Britz, Thomas Meyer, Bidirectional reachability-based modules, *Proceedings of the 24th International Workshop on Description Logics (DL 2011)*, Barcelona, Spain, July 2011.
20. Katrina Britz, Thomas Meyer, Ivan Varzinczak, Concept Model Semantics for DL Preferential Reasoning, *Proceedings of the 24th International Workshop on Description Logics (DL 2011)*, Barcelona, Spain, July 2011.
21. Gavin Rens, Thomas Meyer, Alexander Ferrein, Gerhard Lakemeyer, A Logic for Specifying Partially Observable Stochastic Domains, *Proceedings of the 9th International Workshop on Nonmonotonic Reasoning, Action and Change (NRAC-2011)*, Barcelona, Spain, July 2011.
22. Thomas Meyer, Kodylan Moodley, Ivan José Varzinczak. First Steps in the Computation of Root Justifications. 2nd International Workshop on Automated Reasoning about Context and Ontology Evolution (ARCOE), 16-17 August 2010, Lisbon, Portugal.
23. Richard Booth, Thomas Meyer, Ivan José Varzinczak, Renata Wassermann. A Contraction Core for Horn Belief Change: Preliminary Report, in Thomas Meyer and Eugenia Ternovska, eds., *Proceedings of NMR 2010: 13th International Workshop on Nonmonotonic Reasoning*, May 14-16, 2010.
24. Enrico Franconi, Thomas Meyer, Ivan José Varzinczak. Semantic Diff as the Basis for Knowledge Base Versioning, in Thomas Meyer and Eugenia Ternovska, eds., *Proceedings of NMR 2010: 13th International Workshop on Nonmonotonic Reasoning*, May 14-16, 2010.
25. Riku Nortjé, Katarina Britz, and Thomas Meyer. Finding $\mathcal{EL}+$ justifications using the Earley Parsing Algorithm. In Thomas Meyer and Kerry Taylor eds., *Advances in Ontologies 2009, Conferences in Research and Practice in Information Technology*, Volume 112, 2009, Australian Computer Society.
26. Katarina Britz, Johannes Heidema and Thomas Meyer. Modelling object typicality in description logics (preliminary version). In Bernardo Cuenca Grau, Ian Horrocks, Boris Motik and Ulrike Sattler eds., *DL2009: Proceedings of the 22nd International Workshop on Description Logics*, 2009.
27. Richard Booth, Thomas Meyer and Chattrakul Sombattheera. A General Family of Preferential Belief Removal Operators, in *Proceedings of LORI 2009, Workshop on Logic, Rationality and Interaction*, Chongqing, China, 2009.
28. Richard Booth, Thomas Meyer and Ivan José Varzinczak. Next Steps in Propositional Horn Contraction (preliminary version). In G. Lakemeyer, L. Morgenstern and M-A. Williams eds., *Commonsense 2009: Proceedings of the Ninth International Symposium*

- on Logical Formalizations of Commonsense Reasoning (Commonsense '09), June 1-3, 2009.
29. Richard Booth, Thomas Meyer and Ivan José Varzinczak. First Steps in \mathcal{EL} Contraction. In Alan Bundy, Jos Lehmann, Guilin Qi, and Ivan José Varzinczak eds., ARCOE 2009: Proceedings of the Workshop on Automated Reasoning about Context and Ontology Evolution, Pasadena, California, 2009.
 30. Richard Booth, Thomas Meyer and Chattrakul Sombatttheera. A General Family of Preferential Belief Removal Operators (preliminary version), in Proceedings of NRAC 2009, Workshop on Nonmonotonic Reasoning, Action and Change, Pasadena, California. 2009.
 31. Richard Booth, Thomas Meyer. Equilibria in social belief removal. In Proceedings of COMSOC 2008, International Workshop on Computational Social Choice, Liverpool, 2008.
 32. Anne Cregan, Rolf Schwitter, and Thomas Meyer. Sydney OWL Syntax - towards a Controlled Natural Language for OWL 1.1. In C. Golbreich, A. Kalyanpur, B. Parsia eds., Proceedings of the OWLED 2007 Workshop on OWL: Experiences and Directions, Innsbruck, Austria, 2007.
 33. Richard Booth, Thomas Meyer. On iterated revision of total preorders - preliminary results, in Proceedings of NRAC 2007, Workshop on Nonmonotonic Reasoning, Action and Change, 2007.
 34. Thomas Meyer, Kevin Lee, Jeff Pan. Computing Maximally Satisfiable Terminologies for the Description Logic ALC with Cyclic Definitions, in Proceedings of DL2006, International Workshop on Description Logics, 2006.
 35. Laurent Perrussel, Jean-Marc Thévenin, Thomas Meyer. Mutual Enrichment for Agents through Nested Belief Change: A Semantic Approach, in Proceedings of NMR06, Eleventh International Workshop on Non-Monotonic Reasoning, 2006.
 36. Louise Leenen, Thomas Meyer, Aditya Ghose. Relaxations of semiring constraint satisfaction problems, Proceedings of SOFT2005: 7th Workshop on Preferences and Soft Constraints, 2005.
 37. Norman Foo, Thomas Meyer, Yan Zhang, Dongmo Zhang. Logic program negotiation, Proceedings of NRAC'05, Workshop on Nonmonotonic Reasoning, Action and Change, 2005.
 38. Richard Booth, Samir Chopra, Thomas Meyer. Restrained revision, Proceedings of NRAC'05, Workshop on Nonmonotonic Reasoning, Action and Change, 2005.
 39. Thomas Meyer, Kevin Lee, Richard Booth. Knowledge integration for description logics, Proceedings of Common Sense 2005: Seventh International Symposium on Logical Formalizations of Commonsense Reasoning.
 40. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. A unifying semantics for belief change, NMR2004: Tenth International Workshop on Non-Monotonic Reasoning.

41. Dongmo Zhang, Norman Foo, Thomas Meyer, Rex Kwok. Negotiation as Mutual Belief Revision, Proceedings of NRAC'03, Workshop on Nonmonotonic Reasoning, Action and Change, 2003.
42. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Belief Liberation (and Retraction), Proceedings of NRAC'03, Workshop on Nonmonotonic Reasoning, Action and Change, 2003.
43. Thomas Meyer, Johannes Heidema, Samir Chopra. NMR2002: Ninth International Workshop on Non-Monotonic Reasoning.
44. Samir Chopra, Aditya Ghose, Thomas Meyer. Iterated revision and recovery: a unified treatment via epistemic states, NMR2002: Ninth International Workshop on Non-Monotonic Reasoning.
45. Thomas Meyer, Aditya Ghose, Samir Chopra. Non-prioritised ranked belief change, Proceedings of NRAC 2001: Fourth Workshop on Nonmonotonic Reasoning, Action and Change at IJCAI-01.
46. Thomas Meyer, Aditya Ghose, Samir Chopra. Context-sensitive merging, Proceedings of the IJCAI-01 workshop on Inconsistency in Data and Knowledge.
47. Thomas Meyer, Aditya Ghose, Samir Chopra. Syntactic representations of semantic merging operations, Proceedings of the IJCAI-01 workshop on Inconsistency in Data and Knowledge.
48. Thomas Meyer, Aditya Ghose, Samir Chopra. Context-sensitive merging, Proceedings of Common Sense 2001: Fifth Symposium on Logical Formalizations of Commonsense Reasoning.
49. Thomas Meyer, Aditya Ghose, Samir Chopra. Multi-agent Context-based merging, Proceedings of AWCL2001: Second Australasian Workshop on Computational Logic.
50. Thomas Meyer. On the semantics of merging. Proceedings of NMR 2000: Eighth International Workshop on Non-Monotonic Reasoning.
51. Thomas Meyer, Willem Labuschagne, Johannes Heidema. On the probabilistic intuition underlying circumscription, RMiCS Report-Back Seminar, Stellenbosch, South Africa, 12-13 December 1994.

Other conferences and workshops

1. Thomas Meyer, Johannes Heidema, Samir Chopra. Some logics of belief and disbelief. Australian Mini-conventicle 2002, Macquarie University, Sydney, Australia, 17 January 2002.
2. Thomas Meyer, Aditya Ghose, Samir Chopra. Syntactic representations of semantic merging operations, Australian Knowledge Representation Conventicle 2002, University of New South Wales, Sydney, Australia, 9-11 January 2002.
3. Thomas Meyer. Infobase change. 42nd SAMS Conference, University of the North, South Africa, 25-27 June 1999.

4. Thomas Meyer, Willem Labuschagne and Johannes Heidema. Bundle contraction. 41st SAMS Conference, Johannesburg, South Africa, 25-27 June 1998.
5. Thomas Meyer, Willem Labuschagne, Isabella Burger and Johannes Heidema. Revising epistemic states. 41st SAMS Conference, Johannesburg, South Africa, 25-27 June 1998.
6. Thomas Meyer, Willem Labuschagne and Johannes Heidema. Semantic multiple contraction. The 1998 ASL European Meeting, Prague, Czech Republic, August 9-15 1998.
7. Thomas Meyer, Willem Labuschagne, Johannes Heidema. A semantic approach to theory change. Joint Mathematics Conference by SAMS, the AMS and SAMSA, Pretoria, South Africa, June 25-28 1997.
8. Willem Labuschagne, Thomas Meyer, Helene Rosenblatt, Johannes Heidema. A power-order semantics for nonmonotonic logic, 1995 Summer Meeting of the ASL, Haifa, Israel, 9-17 August 1995.

Research reports

1. Thomas Meyer. Withdrawal and Entrenchment. Unpublished manuscript, Department of Computer Science, University of Pretoria, 1999.
2. Thomas Meyer, Louise Leenen, Willem Labuschagne, Johannes Heidema. Systematic withdrawal. Research report, Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1999.
3. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Refined epistemic entrenchment. Research report 264/98(10), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1998.
4. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Infobase change: A first approximation. Research report 263/98(9), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1998.
5. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Intensional semantic base change: A first approximation. Research report 255/98(1), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1998.
6. Thomas Meyer, Willem Labuschagne, Johannes Heidema. A semantic weakening of the recovery postulate for theory contraction. Research report 258/98(4), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1998.
7. Thomas Meyer, Willem Labuschagne, Johannes Heidema. A semantic approach to theory change. Research report 246/97(12), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1997.
8. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Conditional plausibility by power-orders using s-models. Research report 232/96(11), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1996.

9. Thomas Meyer, Willem Labuschagne, Johannes Heidema. On the probabilistic intuition underlying circumscription. Research report 195/95(1), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1995.
10. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Power-orderings as a generalisation of minimal model semantics. Research report 196/95(2), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1995.
11. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Plausibility by power-order semantics. Research report 210/95(16), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1995.
12. Isabella Burger, Johannes Heidema, Willem Labuschagne, Thomas Meyer, Ben-Erik van Wyk. Gradogramme - 'n nuwe hulpmiddel vir kladistiese taksonomie (Gradograms - a new aid for cladistic taxonomy). Research report 183/94(11), Department of Mathematics, Applied Mathematics and Astronomy, Unisa, 1994.

Dissertations

1. Semantic Belief Change, PhD thesis, Department of Computer Science and Information Systems, University of South Africa, Pretoria, South Africa. Supervisor: Professor Johannes Heidema. Co-supervisor: Doctor Willem Labuschagne.
2. The implementation and experimental evaluation of some discrete optimisation algorithms (Original in Afrikaans), MSc Dissertation, Computer Science Department, Rand Afrikaans University, Johannesburg, South Africa. Supervisor: Professor Theunis Smith.