

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 2020 - December 2022: Co-Director, Centre for Artificial Intelligence Research (CAIR), South Africa.
3. July 2015 to June 2020: Director, Centre for Artificial Intelligence Research (CAIR), South Africa.
4. July 2015 to June 2020: UCT-CSIR Chair in Artificial Intelligence, University of Cape Town, Cape Town, South Africa.
5. August 2011 to June 2015: Chief Scientist, CSIR Meraka Institute, Pretoria, South Africa.
6. May 2011 to June 2015: Director of the UKZN/CSIR Meraka Centre for Artificial Intelligence Research, CSIR and University of KwaZulu-Natal, South Africa.
7. August 2007 to July 2011: Principal Scientist, CSIR Meraka Institute, Pretoria, South Africa.
8. August 2007 to June 2015: Research Group Leader of the Knowledge Representation and Reasoning group (KRR) at the CSIR Meraka Institute, Pretoria, South Africa.
9. July 2008 to June 2015: Honorary Professor, School of Computer Science, University of KwaZulu-Natal, South Africa.
10. March 2009 to December 2013: Extraordinary Professor, School of Computing, University of South Africa.
11. July 2005 to July 2007: Senior Researcher, July 2005 to July 2007, National ICT Australia (NICTA), Sydney, Australia.
12. December 2004 to July 2007: Conjoint Associate Professor, School of Computer Science and Engineering, University of New South Wales, Sydney, Australia.
13. January 2003 to June 2005: Researcher, National ICT Australia, Sydney, Australia.
14. January 2001 to December 2002: Associate Professor, Department of Computer Science, School of Information Technology, University of Pretoria, Pretoria, South Africa.
15. August 2000 to September 2001: Post-Doctoral Research Fellow, Decision Systems Laboratory, Department of Information Systems, University of Wollongong, Australia.
16. September 1999 to December 2000: Senior Lecturer, Department of Computer Science, School of Information Technology, University of Pretoria, South Africa.
17. May 1990 to August 1999: Senior Lecturer, Department of Computer Science and Information Systems, University of South Africa, Pretoria, South Africa.
18. January 1986 to December 1986: Junior Lecturer, part time, Department of Computer Science, Rand Afrikaans University, Johannesburg, South Africa.
19. 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 29 (18 since 2016), and an i10-index of 65 (34 since 2016) as accessed on Google Scholar on 30 June 2021.¹
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 2020, and again from 2022.
2. Member of the Steering Committee of the International Workshop series on Description Logics, 2013 to 2016, and again from 2019-2020.
3. Member of the Steering Committee of the International Workshop series on Non-Monotonic Reasoning since 2010. Chair for 2015 to 2018.

Editorial

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

1. Editorial board member of the Journal for Artificial Intelligence Research (JAIR), 2012 to 2018. Associate Editor since 2019.
2. Editorial board member of the journal Artificial Intelligence, 2013 to 2014. Associate Editor from 2015-2020.

Conference and workshop chairing

1. Local Chair of the International Joint Conference on Artificial Intelligence (IJCAI 2023).
2. Program Co-Chair of the 19th International Conference on Principles of Knowledge Representation and Reasoning (KR 2022).

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

3. Co-Chair of the Sister Conference Best Paper Track of the International Joint Conference on Artificial Intelligence (IJCAI 2022).
4. Area Chair of the International Joint Conference on Artificial Intelligence (IJCAI 2021).
5. Area Chair of the International Conference on Principles of Knowledge Representation and Reasoning (KR 2020, 2021).
6. Senior Program Committee member of the International Joint Conference on Artificial Intelligence (IJCAI 2011, 2013, 2015, 2017, 2018, 2019, 2020, 2021).
7. Senior Program Committee member of International Semantic Web Conference (ISWC 2019, 2020).
8. Program Co-Chair of the 33rd International Workshop on Description Logics (DL 2020).
9. Local Chair of the Forum on Artificial Intelligence (FAIR 2019).
10. Co-organiser of a Dagstuhl Seminar on The Role of Non-monotonic Reasoning in Future Development of Artificial Intelligence, Schloss Dagstuhl, Germany, February 2019.
11. Senior Program Committee member of the Australasian Joint Conference on Artificial Intelligence (2016, 2017).
12. Local Chair of the 15th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016).
13. Co-organiser of the 29th International Workshop on Description Logics (DL 2016).
14. Co-organiser of the 16th International Workshop on Non-Monotonic Reasoning (NMR 2016).
15. Co-organiser of the Joint Ontology Workshops (JOWO 2015), co-located with the International Joint Conference on Artificial Intelligence (IJCAI 2015).
16. Co-organiser of a Research School on Foundations and Challenges of Change in Ontologies and Databases, Bozen-Bolzano, Italy, January 2014.
17. Co-organiser of a Dagstuhl Seminar on Foundations and Challenges of Change and Evolution in Ontologies, Schloss Dagstuhl, Germany, October 2012.
18. Co-chair of the ECAI Workshop on Belief Change, Nonmonotonic Reasoning, and Conflict Resolution (BNC 2012).
19. Senior Program Committee member of the Conference of the Association for the Advancement of Artificial Intelligence (AAAI 2011).
20. Co-chair of a Special Track on AI and Robotics in Africa at Africon 2011.
21. Program Vice-Chair of the Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010).
22. Co-Chair of the International Workshop on Non-Monotonic Reasoning (NMR 2010).

23. Publicity Chair of the International Conference on Principles of Knowledge Representation (KR 2008).
24. Co-Chair of the Knowledge Representation Ontology Workshop (KROW 2008).
25. 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 - 2019.
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).

Major 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. Shortlisted for the 2021 Harry Oppenheimer Fellowship Award (considered the top award for research on the African continent).
2. 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.
 - Aurna Gerber: Human Capital Development, 2014.
3. Co-author of the best paper at the Seventh Australasian Ontology Workshop (AOW 2011), Perth, 2011.
4. 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. Supervisor for Aris Nanabhai (MSc student, 2021-present).
2. Supervisor for Clayton Baker (MSc student, 2020-present).
3. Supervisor for Guy Paterson-Jones (MSc student, 2020-present).
4. Co-supervisor for Rachel Drake (MIT student, UCT, 2019-present).
5. Supervisor for Victoria Chama (MSc student, UCT, 2018-present, dissertation submitted).
6. Supervisor for Adam Kaliski (MSc student, UCT, 2018-present).
7. Supervisor for Julian Chingoma (MSc student, UCT, 2018-present).
8. Supervisor for Michael Harrison (MSc student, UCT, 2018-present).
9. Supervisor for Abraham Pharbunath (MIT student, UCT, 2018-present).
10. Supervisor for Alberto Tagliaro (MIT student, UCT, 2016-present).
11. Supervisor for Pacome Ambassa (PhD student, UCT, 2016-present).
12. Co-supervisor for Wiebke Toussaint (MSc student, UCT, 2016-2019, with distinction).
13. Supervisor for Anesu Marufu (PhD student, 2016-2018).

14. Supervisor for Blessing Ojeme (PhD student, 2016-2018).
15. Supervisor for Mary-Jane Antia (MIT student, 2016-2018).
16. Supervisor for Leonard Botha (MSc student, UCT, 2016-2018).
17. Co-supervisor for Nishal Morar (MSc student, UKZN, 2014-2016).
18. Supervisor for Nasubo Ongoma (MSc student, UKZN, 2014-2015 (cum laude)).
19. Supervisor for Kody Moodley (PhD student, UKZN, 2011-2015).
20. Supervisor for Gavin Rens (PhD student, UKZN, 2010-2014).
21. Co-supervisor for Kevin Lee (PhD student, University of New South Wales, Australia, 2005-2012).
22. Supervisor for Kody Moodley (MSc student, UKZN, 2009-2011 (cum laude)).
23. Co-supervisor for Riku Nortjé (MSc student, UNISA, 2009-2011 (cum laude)).
24. Co-supervisor for Gibson Chimamiwa (MSc student, UNISA, 2008-2011).
25. Co-supervisor for Ka-Shu Wong (PhD student, University of New South Wales, Australia, 2005-2009).
26. Co-supervisor for Anne Cregan (PhD student, University of New South Wales, Australia, 2004-2008).
27. Co-supervisor for Zhi Qiang Zhang (MSc student, University of New South Wales, Australia, 2005-2006).
28. Supervisor for Tanya van der Vyver (MSc student, UNISA, 1998-1999 (cum laude)).

Postgraduate committees

1. Ricardo Guimarães, PhD, University of São Paulo, Brazil, 2019.
2. Mikhail Rybakov, PhD, University of the Witwatersrand, South Africa, 2019.
3. Henriëtte Harmse, PhD, University of Pretoria, South Africa, 2019.
4. Hildegard Koen, University of Pretoria, South Africa, 2016.
5. Olukunle Ayodeji Ogundele, University of KwaZulu-Natal, South Africa, 2016.
6. Suwan Tongphu, PhD thesis, Sirindhorn International Institute of Technology, Thammasat University, Thailand, 2016.
7. Henriëtte Harmse, MSc thesis, University of KwaZulu-Natal, South Africa, 2015.
8. Mahsa Chitsaz, PhD thesis, Griffith University, Australia, 2015.
9. Zhe Wang, PhD thesis, Griffith University, Australia, 2011.
10. Matthew Horridge, PhD thesis, University of Manchester, United Kingdom, 2011.
11. Pakornpong Pothipruk, PhD thesis, University of Queensland, Australia, 2011.

12. Conrad Drescher, PhD thesis, Technical University Dresden, Germany, 2010.
13. Chung Tong Lee, PhD thesis, University of New South Wales, Australia, 2010.
14. Dennis Hooijmaijers, PhD thesis, University of South Australia, Australia, 2009.
15. Lynette Stevenson, MSc thesis, University of South Africa, South Africa, 2009.
16. P.L. van der Westhuizen, PhD thesis, University of South Africa, South Africa, 2007.
17. Yulin Ding, PhD thesis, University of Western Sydney, Australia, 2006.
18. Richard Cooke, MSc thesis, University of Cape Town, South Africa, 2006.
19. Tertia Hörne, MSc thesis, University of South Africa, South Africa, 1999.
20. Jacobus Schalk van der Merwe, MSc thesis, Potchefstroom University (now Northwest University), 1999.

Postdoctoral supervision

1. Dr Jesse Heyninck, Project on Conditional Reasoning (PhD from Ruhr University in Bochum, Germany), May 2021 to April 2023. Joint postdoctoral fellowship with Technical University Dortmund, Germany.
2. Dr Gavin Rens, Project on Probabilistic Belief Revision (PhD from UKZN), funded by the Claude Leon Foundation, January 2017 to December 2018.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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. Stefan Borgwardt, Thomas Meyer, eds. Proceedings of the 33rd International Workshop on Description Logics (DL 2020) co-located with the 17th International Conference on Principles of Knowledge Representation and Reasoning (KR 2020), Online

Event [Rhodes, Greece], September 12th to 14th, 2020. CEUR Workshop Proceedings 2663, CEUR-WS.org 2020.

2. 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.
3. Thomas Meyer, Kerry Taylor, eds., *Advances in Ontologies 2009, Conferences in Research and Practice in Information Technology*, Volume 112, 2009, Australian Computer Society.
4. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies 2008, Conferences in Research and Practice in Information Technology*, Volume 90, 2008, Australian Computer Society.
5. Thomas Meyer, Abhaya C. Nayak, eds., *Advances in Ontologies 2007, Conferences in Research and Practice in Information Technology*, Volume 85, 2007, Australian Computer Society.
6. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies 2006, Conferences in Research and Practice in Information Technology*, Volume 72, 2006, Australian Computer Society.
7. 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. Thomas Meyer, Mehmet A. Orgun, eds., *Advances in Ontologies*. *Applied Artificial Intelligence*, 24, 2010.
2. 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. Matthew Morris, Tala Ross, Thomas Meyer. Algorithmic definitions for KLM- style defeasible disjunctive Datalog. *South African Computer Journal*, 32(2):141–160, 12 2020.
2. Michael Harrison and Thomas Meyer. DDLV: A system for rational preferential reasoning for Datalog. *South African Computer Journal*, 32(2):184–217, 12 2020.
3. Julian Chingoma and Thomas Meyer. Defeasibility applied to Forrester’s paradox. *South Africa Computer Journal*, 32(2):161–183, 12 2020.
4. Katarina Britz, Giovanni Casini, Thomas Meyer, Kody Moodley, Uli Sattler, Ivan Varzinczak. Principles of KLM-style Defeasible Description Logics. *ACM Transactions on Computational Logic*, 22(1), 11 2020.

5. Leonard Botha, Thomas Meyer, Rafael Peñaloza. The Probabilistic Description Logic BALC. *Theory and Practice of Logic Programming*, page 1–24, 2020.
6. Giovanni Casini, Umberto Straccia, Thomas Meyer. A polynomial Time Subsumption Algorithm for Nominal Safe ELO_{\perp} under Rational Closure. *Information Sciences*, 501:588–620, 10 2019.
7. Richard Booth, Giovanni Casini, Thomas Meyer, Ivan Varzinczak: On rational entailment for Propositional Typicality Logic. *Artificial Intelligence*: 227, 2019.
doi:<https://doi.org/10.1016/j.artint.2019.103178>.
8. 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.
9. Aurlona Gerber, Nishal Morar, Thomas Meyer and Connal Eardley: Ontology-based support for taxonomic functions. *Ecological Informatics* 41:11-23, 2017.
10. 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.
11. 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.
12. 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.
13. Alexander Ferrein, Thomas Meyer: A Brief Overview of Artificial Intelligence in South Africa, *Artificial Intelligence Magazine*, Volume 33, Number 1, 2012 (invited submission).
14. Katarina Britz, Thomas Meyer, Ivan Varzinczak, Preferential Reasoning for Modal Logics, *Electronic Notes in Theoretical Computer Science* 278:55-69, 2011.
15. 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.
16. Richard Booth, Thomas Meyer. How to revise a total preorder, *Journal of Philosophical Logic* 40(2):193-238, 2011 (invited paper).
17. Richard Booth, Thomas Meyer. Belief Change. *Journal of the Indian Council of Philosophical Research*, Vol. XXVII, No. 2, 2011 (invited paper).
18. Richard Booth, Thomas Meyer. Equilibria in Social Belief Removal. *Synthese*, 177:97-123, 2010.
19. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Double preference relations for generalized belief change. *Artificial Intelligence* 174(16-17):1339-1368, 2010.
20. Samir Chopra, Thomas Meyer, Ka-Shu Wong. Iterated Belief Change and the Recovery Axiom. *Journal of Philosophical Logic* 37(5):501-520, 2008.

21. Louise Leenen, Thomas Meyer, Aditya Ghose. Relaxations of semiring constraint satisfaction problems. *Information Processing Letters* 103(5): 177-182, 2007.
22. Richard Booth, Thomas Meyer. Admissible and Restrained Revision. *Journal of Artificial Intelligence Research* 26:127-151, 2006.
23. Samir Chopra, Aditya Ghose, Thomas Meyer. Social choice theory, belief merging, and strategy-proofness. *Information Fusion*, 7(1):61-79, 2006.
24. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Belief Liberation (and Retraction). *Studia Logica* 79(1):47-72, 2005.
25. Samir Chopra, Aditya Ghose, Thomas Meyer. Non-prioritized ranked belief change. *Journal of Philosophical Logic* 32(4):417-443, 2003.
26. Thomas Meyer, Johannes Heidema, Willem Labuschagne, Louise Leenen. Systematic Withdrawal. *Journal of Philosophical Logic* 31(5):415-443, 2002.
27. Thomas Meyer. On the semantics of combination operations. *Journal of Applied Non-Classical Logics* 11(1-2): 59-84, 2001.
28. Thomas Meyer. Basic Infobase Change. *Studia Logica* 67:215-242, 2001.
29. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Infobase change: A first approximation. *Journal of Logic, Language and Information* 9(3):353-377, 2000.
30. Thomas Meyer, Willem Labuschagne, Johannes Heidema. Refined epistemic entrenchment. *Journal of Logic, Language and Information* 9(2):237-259, 2000.
31. Thomas Meyer. An information-theoretic semantics for belief change. *South African Computer Journal* 24:33-39, 1999.
32. 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.
33. 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.
34. 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 *Description Logic, Theory Combination, and All That*. Lecture Notes in Computer Science, volume 11560, chapter 7, pages 147–173. Springer, Switzerland, 2019.
2. Louise Leenen, Thomas Meyer. Artificial Intelligence and Big Data Analytics in Support of Cyber Defense. In: *Developments In Information Security And Cybernetic Wars*. United States of America: Information Science Reference, IGI Global; 2019. doi:10.4018/978-1-5225-8304-2.ch002.

3. 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.
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