

# Curriculum vitae

Thomas Andreas Meyer

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## Address

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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. 1 July 2015 - : Research Coordinator, Centre for Artificial Intelligence Research (CAIR), CSIR Meraka Institute, Pretoria, South Africa.
2. 1 July 2015 - : Professor, Department of Computer Science, University of Cape Town, Cape Town, South Africa.
3. August 2011 to 30 June 2015: Chief Researcher, CSIR Meraka Institute, Pretoria, South Africa.
4. May 2011 to 30 June 2015: Director of the UKZN/CSIR Meraka Centre for Artificial Intelligence Research, CSIR and University of KwaZulu-Natal, South Africa.
5. August 2007 to July 2011: Principal Researcher, CSIR Meraka Institute, Pretoria, South Africa.
6. August 2007 to present: Research Group Leader of the Knowledge Representation and Reasoning group (KRR) at the CSIR Meraka Institute, Pretoria, South Africa.
7. July 2008 to present: Honorary Professor, School of Computer Science, University of KwaZulu-Natal, South Africa.
8. March 2009 to December 2013: Extraordinary Professor, School of Computing, University of South Africa.
9. July 2005 to July 2007: Senior Researcher, July 2005 to July 2007, National ICT Australia (NICTA), Sydney, Australia.
10. December 2004 to July 2007: Conjoint Associate Professor, School of Computer Science and Engineering, University of New South Wales, Sydney, Australia.
11. January 2003 to June 2005: Researcher, National ICT Australia, Sydney, Australia.
12. January 2001 to December 2002: Associate Professor, Department of Computer Science, School of Information Technology, University of Pretoria, Pretoria, South Africa.
13. August 2000 to September 2001: Post-Doctoral Research Fellow, Decision Systems Laboratory, Department of Information Systems, University of Wollongong, Australia.
14. September 1999 to December 2000: Senior Lecturer, Department of Computer Science, School of Information Technology, University of Pretoria, South Africa.
15. May 1990 to August 1999: Senior Lecturer, Department of Computer Science and Information Systems, University of South Africa, Pretoria, South Africa.
16. January 1986 to December 1986: Junior Lecturer, part time, Department of Computer Science, Rand Afrikaans University, Johannesburg, South Africa.
17. January 1985 to December 1985: Software consultant for Infosystems, a software house based in Johannesburg, South Africa.

## Visiting positions held

1. April to June 2011: Erasmus Mundus Research Fellow, Free University of Bozen-Bolzano, Italy.
2. July to August 2009 and August 2010: Erasmus Mundus Research Fellow, Aachen University of Technology, Aachen, Germany.
3. June 2007, Visiting Researcher, CERISS, University of Toulouse I, Toulouse.

## Short research visits

1. School of Computer Science and Engineering, University of New South Wales, Sydney, Australia, 2013.
2. School of Computer Science and Engineering, University of New South Wales, Sydney, Australia, 2012.
3. KRDB Group, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, 2012.
4. Digital Enterprise Research Institute, National University of Ireland, Galway, Ireland, 2011.
5. KRDB Group, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, 2011.
6. KRDB Group, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, 2010.
7. Managing Complexity Theme, NICTA (Neville Roach Laboratory, Sydney), 2009.
8. Managing Complexity Theme, NICTA (Neville Roach Laboratory, Sydney), 2008.
9. KRDB Group, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, 2008.
10. School of Computing, University of South Africa and Meraka Institute, Pretoria, South Africa, 2006.
11. Department of Computing Science, University of Aberdeen, Aberdeen, UK, 2006.
12. Departments of Computer Science and Mathematics, University of South Africa, Pretoria, South Africa, 2004.
13. School of Computing Science, Simon Fraser University, Vancouver, Canada, 2004.
14. Brooklyn College, City University of New York, New York, USA, 2003.
15. Department of Computer Science, University of Toulon, Toulon, France, 2002.
16. School of Information Technology and Computer Science, University of Wollongong, Wollongong, Australia, 2002.
17. CERISS, University of Toulouse I, Toulouse, France, 2001.
18. School of Computing Science, Simon Fraser University, Vancouver, Canada, 2001.
19. Department of Computing Science, University of Alberta, Edmonton, Canada, 2001.
20. Department of Computing, Macquarie University, Sydney, Australia, 1999.

21. Department of Computer Science, University of Otago, Dunedin, New Zealand, 1999.
22. Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, United States of America, 1992.

## Professional recognition

1. I have an h-index of 19 (14 since 2009), and an i10-index of 36 (18 since 2009) as accessed on Google Scholar on 12 September 2014.<sup>1</sup>
2. Keynote Speaker at the First International Workshop on Logics for Reasoning about Preferences, Uncertainty and Vagueness (PRUV 2014) Vienna, Austria, July 23-24, 2014.
3. Keynote Speaker at the Second Workshop on Automated Reasoning about Context and Ontology Evolution (ARCOE 2010), Lisbon, Portugal, August 2010.
4. Rated as an Internationally Acclaimed (B-rated) Researcher by the South African National Research Foundation (2010-2015).
5. Keynote Speaker at the International Workshop on Ontology Dynamics (IWOD 2008), Karlsruhe, Germany, October 2008.
6. Senior Mentor for the Doctoral Consortium of the 10th International Conference on Principles of Knowledge Representation and Reasoning (KR 2006), Lake District, United Kingdom, May 2006.

## Professional service

### Steering Committees and Advisory Boards

1. Chair of the Steering Committee of the International Workshop series on Non-Monotonic Reasoning, 2015 to present.
2. 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.
3. Member of the Steering Committee of the International Workshop series on Description Logics, 2013 to present.
4. Member of the Steering Committee of the International Workshop series on Non-Monotonic Reasoning, 2010 to 2014.
5. Member of the Advisory Committee for the joint NIST-Ontolog-NCOR Ontology Summit, 2008.

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<sup>1</sup><http://scholar.google.com/citations?user=Ua2MNSoAAAAJ&hl=en>

## Editorial

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

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

## Conference and workshop chairing

1. Organiser of the 15th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016) to be held in Cape Town, South Africa.
2. Co-organiser of the 29th International Workshop on Description Logics (DL 2016) to be held in Cape Town, South Africa.
3. Co-organiser of the 16th International Workshop on Non-Monotonic Reasoning (NMR 2016) to be held in Cape Town, South Africa.
4. Co-organiser of the Joint Ontology Workshops (JOWO 2015), co-located with the International Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, Argentina, July 2015.
5. Senior Program Committee member of the International Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, Argentina, July 2015.
6. Co-organiser of a Research School on Foundations and Challenges of Change in Ontologies and Databases, Bozen-Bolzano, Italy, January 2014.
7. Senior Program Committee member of the International Joint Conference on Artificial Intelligence (IJCAI 2013), Beijing, China, August 2013.
8. Co-organiser of a Dagstuhl Seminar on Foundations and Challenges of Change and Evolution in Ontologies, Schloss Dagstuhl, Germany, October 2012.
9. Co-chair of the ECAI Workshop on Belief Change, Nonmonotonic Reasoning, and Conflict Resolution (BNC 2012), Montpellier, France, 2012.
10. Senior Program Committee member of the International Joint Conference on Artificial Intelligence (IJCAI 2011), Barcelona, Spain, July 2011.
11. Senior Program Committee member of the Conference of the Association for the Advancement of Artificial Intelligence (AAAI 2011), San Francisco, USA, August 2011.
12. Co-chair of a Special Track on AI and Robotics in Africa at Africon 2011, Livingstone, Zambia, September 2011.
13. Program Vice-Chair of the Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010), Daegu, Korea, August-September 2010.
14. Co-Chair of the International Workshop on Non-Monotonic Reasoning (NMR 2010), Toronto, Canada, May 2010.

15. Publicity Chair of the International Conference on Principles of Knowledge Representation (KR 2008), Sydney, Australia, September 2008.
16. Co-Chair of the Knowledge Representation Ontology Workshop (KROW 2008), Sydney, Australia, September 2008.
17. 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. A summary of my involvement follows below:

AAAI 2015, AAAI AIW 2015, AI 2015, Commonsense 2015, DARE 2015, Diachron 2015, ECSQARU 2015, HR 2015, ONTOLP 2015, RR 2015, RR-DC 2015, SUM 2015, ARCOE-LOGIC 2014, ASWC 2014, DARE 2014, DL 2014, ECAI 2014, JELIA 2014, KR 2014, NMR 2014, PRICAI 2014, RR 2014, SACLA 2014, SAICSIT 2014, SUM 2014, SSN 2014, AAAI-13 AIW, AI 2013, ARCOE 2013, DKB 2013, DL 2013, ECSQARU 2013, NRAC 2013, RR 2013-DC, SAICSIT 2013, SSSN 2013, SUM 2013, WOMO 2013, NMR 2012, RR2012-DC, SAICSIT 2012, ARCOE 2012, PRICAI 2012, SUM 2012, EvoDyn 2012, WoMo 2012, AI 2012, DL 2012, KR 2012, AI 2011, EvoDyn 2011, DL 2011, Commonsense 2011, ECSQARU 2011, AI 2010, ARCOE 2010, DL 2010, ECAI 2010, ESAS 2010, IWOD 2010, KR 2010, NMR@30 2010, SASFA 2010, SSN 2010, SUM 2010, AI 2009, ENC 2009, DL 2009, ESAS 2009, IJCAI 2009, ISWC 2009, IWOD 2009, LOG-IC 2009, NRAC 2009, RCA 2009, SSN 2009, AAAI/SSS/SSKI 2008, AI 2008, ECAI 2008, ESAS 2008, KR 2008, AREA 2008, IWOD 2008, PRIMA 2008, AI 2007, AAAI 2007, ESAS 2007, RR 2007, NRAC 2007, IWOD 2007, MPREF 2007, PRIMA 2007, CLIMA-VIII 2007, AI 2006, PCAR 2006, NMR 2006, SSN 2006, AI 2004, NMR 2004, NMR 2002.

### **Conference and workshop reviewing**

JELIA 2010, CADE 2007, ESWC 2007, IJCAI 2007, LPNMR 2007, MICAI 2007, SAT 2007, AAAI 2006, ODBASE 2006, PPDP 2006, ECAI 2006, KR 2006, IJCAR 2006, JELIA 2006, PRICAI 2006, AAAI 2005, CADE 2005, LPNMR 2005, IJCAI 2005, MICAI 2005, ASIAN 2004, ECAI 2004, KI 2004, LPAR 2004, PRICAI 2004, SAICSIT 2001, ECAI 2000, ICTAI 2000.

### **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. A summary of my involvement follows below:

Annals of Mathematics and Artificial Intelligence, Artificial Intelligence Journal (AIJ), Australasian Journal of Logic (AJL), Computational Intelligence (CI), IEE Proceedings - Software, IEEE Transactions on Knowledge and Data Engineering Review, Information Sciences, Journal of Algorithms - Algorithms in Cognition, Informatics and Logic, Journal of Applied Non-Classical Logics (JANCL), Journal of Artificial Intelligence Research (JAIR), Journal of Automated Reasoning (JAR), Journal of Intelligent Information Systems (JIIS), Journal of Logic and Computation (JLC), Journal of Philosophical Logic (JPL), Journal of Symbolic Logic (JSL), Journal of Web Semantics (JWS), Knowledge and Information Systems: An International Journal (KAIS), Knowledge Engineering Review (KER), Robotics and Autonomous Systems, South African Computer Journal (SACJ), Studia Logica, Transactions on Computational Logic (TOCL).

## 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.
5. Member of the steering committee of the Health Enterprise Architecture Laboratory in the School of Computer Science at the University of KwaZulu-Natal.

## Invitation only workshops

1. Workshop on Belief Revision and Argumentation, to be held in Madeira, January 2015.
2. Workshop on Belief Revision and Argumentation, Madeira, January 2013.
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, 20-23 January 2008.
6. Invitation to attend a Dagstuhl Seminar on Formal Models of Belief Change in Rational Agents, Schloss Dagstuhl, Germany, 26-30 August, 2007 (unable to attend due to other commitments).
7. Dagstuhl Seminar on Belief Change in Rational Agents, Schloss Dagstuhl, Germany, 7-12 August 2005.
8. Workshop on Constraint programming, belief revision, and combinatorial optimization, Banff International Research Station, Banff, Canada, May 24-29, 2003.

## Membership of organisations

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

## Projects and Grants

Since joining the CSIR in late 2007, I have attracted over R40 million in funding for my research group and the Centre for Artificial Intelligence Research.

1. 2015-2016: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R3 000 000.
2. 2014-2015: Project leader for competitive funding through a project funded by the Development Bank of South Africa for R450 000.
3. 2014-2015: Project leader for competitive funding through the Meraka Education Growth and Impact Initiative Programme for R105 000.
4. 2014-2015: Project leader for competitive funding through the Meraka eHealth Growth and Impact Initiative Programme for R921 000.
5. 2014-2015: Project leader for competitive funding through the Meraka Smart World Growth and Impact Initiative Programme for R499 000.
6. 2014-2015: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R3 000 000.
7. 2014-2015: Project leader for a project funded through the Department of Science and Technology's Resource Allocation Framework for R1 250 000.
8. 2014-2016: Project leader for a project funded through the National Research Foundation's Professional Development Programme for R4 815 000.
9. 2013-2014: Project leader for a project funded through the Department of Science and Technology's Resource Allocation Framework for R900 000.
10. 2013-2014: Project leader for competitive funding through the Meraka Growth and Impact Initiative Programme for R617 000.
11. 2013-2014: Project leader of a Directed Parliamentary Grant for funding the Centre for Artificial Intelligence Research for R2 000 000.
12. 2012-2013: Project leader of a Core Parliamentary Grant for Research on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R2 500 000.
13. 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.
14. 2011-2015: Awarded funding of R3 800 000 from the University of KwaZulu-Natal for establishing the Centre for Artificial Intelligence Research.



15. 2011-2012: Project leader of a Core Parliamentary Grant for Research on Ontologies, Knowledge Representation and Reasoning, and Artificial Intelligence for R2 200 000.
16. 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.
17. 2010-2012: Institutional coordinator of NET2, a three year EU funded FP7-PEOPLE-2009-IRSES programme totalling €354 000.
18. 2010-2011: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
19. 2010-2011: Project leader of a Directed Parliamentary Grant for R & D on Ontologies, for R1 000 000.
20. 2009-2010: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
21. 2009-2010: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R1 000 000.
22. 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.
23. 2008-2009: Project leader of a Core Parliamentary Grant for Research on Ontologies for R3 200 000.
24. 2008-2009: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R1 000 000.
25. 2008-2009: Project leader of a project for the South African National Defence Force for R180 000.
26. 2008: Project leader of a project on Information Security funded by the Department of Science and Technology totalling R400 000.
27. 207-2008: Project leader of a Directed Parliamentary Grant for R & D on Ontologies for R700 000.
28. 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.
29. 2007-2008: A seed grant totalling R700 000 for initiating research on Ontologies.
30. 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).
31. 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.

32. 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.
33. 2000-2001: A Postdoctoral Fellowship from the South African National Research Foundation, totalling \$16000 (USD).
34. 2000-2002: A three year grant from the Research Development Programme at the University of Pretoria, South Africa, totalling R40 000.
35. 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. Since its establishment in late 2007, my research group at the CSIR Meraka Institute has 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.
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.

## 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.

**Third year:** 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 Nishal Morar (MSc student, UKZN, 2014-present).
2. Supervisor for Nasubo Ongoma (MSc student, UKZN, “Formalizing Temporal Attributes in Temporal Conceptual Data Models”, 2014-2015 (cum laude)).
3. Co-supervisor for Anban Pillay (PhD student, UKZN, 2014-present)
4. Co-supervisor for Riku Nortjé (PhD student, UKZN, 2012-present).
5. Supervisor for Kody Moodley (PhD student, UKZN, 2011-present).
6. Co-supervisor for Sue Price (PhD student, UKZN, 2011-present).
7. Supervisor for Gavin Rens (PhD student, UKZN, “Formalisms for Agents Reasoning with Stochastic Actions and Perceptions”, 2010-2014).
8. Co-supervisor for Lynn Stevenson (PhD student, UNISA, 2009-2012).
9. Co-supervisor for Kevin Lee (PhD student, University of New South Wales, Australia, “Inconsistency Management for Description Logics”, 2005-2012).
10. Supervisor for Kody Moodley (MSc student, UKZN, “Ontology Repair for Description Logics”, 2009-2011 (cum laude)).
11. Co-supervisor for Riku Nortjé (MSc student, UNISA, “Module Extraction for Inexpressive Description Logics”, 2009-2011 (cum laude)).
12. Co-supervisor for Gibson Chimamiwa (MSc student, UNISA, “Using Ontologies to Semantify a Web Information Portal”, 2008-2011).
13. Co-supervisor for Ka-Shu Wong (PhD student, University of New South Wales, Australia, “Forgetting in Logic Programs”, 2005-2009).
14. Co-supervisor for Anne Cregan (PhD student, University of New South Wales, Australia, “Weaving the Semantic Web: Contributions and Insights”, 2004-2008).

15. Co-supervisor for Zhi Qiang Zhang (MSc student, University of New South Wales, Australia, 2005-2006).
16. Supervisor for Tanya van der Vyver (MSc student, UNISA, “Modal logics”, 1998-1999 (cum laude)).

### **Doctoral committees**

1. Mahsa Chitsaz, “Aduction and Induction in light-weight DLs”, PhD thesis, Griffith University, Australia, 2015 (forthcoming).
2. Zhe Wang, “Ontology Evolution in Description Logics”, PhD thesis, Griffith University, Australia, 2011.
3. Matthew Horridge, “Justification Based Explanation in OWL”, PhD thesis, University of Manchester, United Kingdom, 2011.
4. Pakornpong Pothipruk, “Query Answering for Multiple Complex Resources: Description Logic in the Semantic Web Context”, PhD thesis, University of Queensland, Australia, 2011.
5. Conrad Drescher, “Action Logic Programs - How to Specify Strategic Behaviour in Dynamic Domains Using Logical Rules”, PhD thesis, Technical University Dresden, Germany, 2010.
6. Chung Tong Lee, “Fixed Point Theorems in Algorithm Design”, PhD thesis, University of New South Wales, Australia, 2010.
7. Dennis Hooijmaijers, “Subjective Ontologies for the Semantic Web: A Framework for Collaborative Ontology Agreement”, PhD thesis, University of South Australia, Australia, 2009.
8. Lynette Stevenson, “Modal satisfiability in a constraint logic environment”, MSc thesis, University of South Africa, South Africa, 2009.
9. P.L. van der Westhuizen, “Control Room Agents: An Information-Theoretic Approach”, PhD thesis, University of South Africa, South Africa, 2007.
10. Yulin Ding, “Model Update for System Modifications”, PhD thesis, University of Western Sydney, Australia, 2006.
11. Richard Cooke, “Link prediction and link detection in sequences of large social networks using temporal and local metrics”, MSc thesis, University of Cape Town, South Africa, 2006.
12. Tertia Hörne, “Temporal Logics”, MSc thesis, University of South Africa, South Africa, 1999.
13. Jacobus Schalk van der Merwe, “Modelling an electroplating process by using artificial intelligence techniques”, MSc thesis, Potchefstroom University (now Northwest University), 1999.

## Postdoctoral supervision

1. Dr Gavin Rens, Project on Probabilistic Belief Revision, jointly funded by the CSIR and the University of KwaZulu-Natal, April 2015 to March 2017.
2. 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.
3. 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.
4. 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.
5. 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. Aurlona 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. 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.
2. 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.
3. Alexander Ferrein, Thomas Meyer: A Brief Overview of Artificial Intelligence in South Africa, *Artificial Intelligence Magazine*, Volume 33, Number 1, 2012 (invited submission).
4. 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.
5. Richard Booth, Thomas Meyer. How to revise a total preorder, *Journal of Philosophical Logic* 40(2):193-238, 2011 (invited paper).
6. Richard Booth, Thomas Meyer. Belief Change. *Journal of the Indian Council of Philosophical Research*, Vol. XXVII, No. 2, 2011 (invited paper).
7. Richard Booth, Thomas Meyer. Equilibria in Social Belief Removal. *Synthese*, 177:97-123, 2010.
8. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Double preference relations for generalized belief change. *Artificial Intelligence* 174(16-17):1339-1368, 2010.
9. Samir Chopra, Thomas Meyer, Ka-Shu Wong. Iterated Belief Change and the Recovery Axiom. *Journal of Philosophical Logic* 37(5):501-520, 2008.
10. Louise Leenen, Thomas Meyer, Aditya Ghose. Relaxations of semiring constraint satisfaction problems. *Information Processing Letters* 103(5): 177-182, 2007.
11. Richard Booth, Thomas Meyer. Admissible and Restrained Revision. *Journal of Artificial Intelligence Research* 26:127-151, 2006.

12. Samir Chopra, Aditya Ghose, Thomas Meyer. Social choice theory, belief merging, and strategy-proofness. *Information Fusion*, 7(1):61-79, 2006.
13. Richard Booth, Samir Chopra, Aditya Ghose, Thomas Meyer. Belief Liberation (and Retraction). *Studia Logica* 79(1):47-72, 2005.
14. Samir Chopra, Aditya Ghose, Thomas Meyer. Non-prioritized ranked belief change. *Journal of Philosophical Logic* 32(4):417-443, 2003.
15. Thomas Meyer, Johannes Heidema, Willem Labuschagne, Louise Leenen. Systematic Withdrawal. *Journal of Philosophical Logic* 31(5):415-443, 2002.
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## 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.