

Curriculum Vitae of Yanjing Wang (July 2021)

PERSONAL INFORMATION

Date of birth: March 1982
Gender: male

CONTACT INFORMATION

Department of Philosophy Peking University
5 Yi He Yuan Rd., Beijing, CHINA

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RESEARCH INTERESTS

modal logic (especially epistemic logic), non-classical logics, formal semantics, formal epistemology, logics in AI, formal verification

EDUCATION

Centrum Wiskunde & Informatica (CWI),
Amsterdam, The Netherlands

Ph.D in Logic

July 2006 – Sept. 2010

- Dissertation: *Epistemic Modelling and Protocol Dynamics*
- Supervisor: Prof. Jan van Eijck
- The diploma was issued by **University of Amsterdam (UvA)**

Institute for Logic language and Computation (ILLC), UvA,
Amsterdam, The Netherlands

MSc in Logic (Cum Laude)

Sept. 2004 – Mar. 2006

- Thesis: *Indexed Semantics and Its Application in Modelling Interactive Unawareness*
- Supervisor: Prof. Frank Veltman and Dr. Maricarmen Martinez

Department of Philosophy, Peking University,
Beijing, China

BA in Philosophy, BA in Economics

Sept. 2000 – Jun. 2004

ACADEMIC POSITIONS

Vice-chair, Department of Philosophy, Peking University, Beijing, China

Associate Professor (tenured)

Feb. 2018 – present

Associate Professor

Aug. 2012 – Jan. 2018

Assistant Professor

Sept. 2010 – July 2012

PROFESSIONAL EXPERIENCE

Member of:

Association of Symbolic Logic, Chinese Association of Logic (secretary-general of the modern logic chapter), Western Returned Scholars Association, Chinese Mathematical Society (committee member of the mathematical logic chapter)

Associate editor of:

Studies in Logic

Advisory Board Member of:

Master of Logic program at ILLC, Amsterdam

Steering Committee Member of:

Logical Aspects of Multi-Agent Systems (LAMAS)

PC member of:

LORI2013/2015, TARK 2015, AAMAS2015, LOFT2016, IJCAI2016, KR2016, ICLA2017, WoLLIC2018,

AiML2020, LORI2021

Served as reviewer for:

AAMAS, CSL, LiCS, KR, TARK, LORI, ESSLLI-StuS, ACM Transactions on Computational Logic, Journal of Applied Non-Classical Logics, Synthese, Studia Logica, Journal of Logic and Computation, The Review of Symbolic Logic, Artificial Intelligence, Journal of Logic, Language and Information, Journal of Philosophical Logic, Journal of Artificial Intelligence Research, Erkenntnis

International workshop organized

Logical Dynamics: New Trends and Interfaces, Peking University, Oct. 9th 2011

Epistemic Logics in AI, Peking University, Aug. 10th 2013

Delta Logic workshop IX, Peking University, Sept. 8th, 2018

National conference organized, as PC chair

National conference on modern logic 2015, Hebei University, 2015

National conference on modern logic 2016, Southwest University, 2016

PROJECTS:

as PI:

Decidable fragments of first-order modal logic (SSFC grant 19BZX135)

Beyond “knowing that”: non-standard epistemic logic (Top-notch Young Professionals program)

Protocol-based logical dynamics (SSFC grant 11CZX054)

Starting Grant of Returned Overseas Chinese Scholars

as participant:

Multidisciplinary cognition studies (Key Project of National Social Science Foundation of China 12&ZD119)

Logic based cognitive studies (Key Project of National Social Science Foundation of China 11&ZD088)

Studies on logic and philosophy of mathematics (MOE Project of Key Research Institute of Humanities and Social Sciences in Universities 12JJD720011)

Action-sequence based studies on imperatives and deontic logic (SSFC grant 12CZX053)

TEACHING

Advanced modal logic

Spring of 2011-2019

Logical dynamics

Fall of 2011-2014, 2018

Epistemic logic

Fall of 2015

Logic in Math, Philosophy and CS

Fall of 2016

Language, Logic and Computation

Fall of 2017

Research seminar on logic

2010–2016

Beyond knowing that: non-standard epistemic logics

ESSLLI2015, NASSLLI2018

Supervision

In the Ph.D. defense committee of: Yanjun Li (University of Groningen), Malvin Gattinger (University of Amsterdam)

Master thesis supervised: Xi Chen, Tsz-yuen Lau, Chao Xu, Yingying Cheng, Dazhu Li, Xingchi Su, Jingzhi Fang, Mo Liu, Yiting Wang

Undergraduate thesis supervised: Tingxiang Zou, Shihao Xiong, Yifeng Ding, Tao Gu, Zhouhang Zhou, Xinyu Wang, Yunsong Wang, Cheng Liao, Yilun Wang

HONOURS AND AWARDS

Beth Scholarship, The Netherlands 2004-2006

INSA JRD-TATA Fellowship, India 2012

National Program for Support of Top-notch Young Professionals, China, 2015

New Zealand Centre Visiting Research Fellowship, New Zealand, 2017

In refereed international books and journals:

1. Yanjun Li, Yanjing Wang: Neighbourhood Semantics for Logic of Knowing How. *Synthese* (In Press)
2. Raul Fervari, Fernando R. Velázquez-Quesada, Yanjing Wang: Bisimulations for Knowing How Logics. *The Review of Symbolic Logic* (in Press)
3. Jixin Liu, Yifeng Ding, Yanjing Wang: Model Theoretical Aspects of Weakly Aggregative Modal Logic. *Journal of Logic, Language and Information* (in Press)
4. Yanjun Li, Yanjing Wang: Planning-based knowing how: a unified approach, *Artificial Intelligence* 296:103487, 2021
5. Chao Xu, Yanjing Wang, and Thomas Studer: A logic of knowing why, *Synthese* 198: 1259–1285, 2021.
6. Yanjing Wang: A logic of goal-directed knowing how, *Synthese* 195 (10): 4419-4439. 2018. (Extended journal version of the LORI15 conference paper)
7. Yanjun Li, Barteld Kooi and Yanjing Wang: A Dynamic Epistemic Framework for Reasoning about Conformant Probabilistic Plans, in *Artificial Intelligence* 268: 54-84.
8. Thomas Agotnes, Hans van Ditmarsch, Yanjing Wang: True lies. in *Synthese* 195 (10): 4581-4615. 2018.
9. Yanjing Wang: Beyond knowing that: a new generation of epistemic logics, in *Jaakko Hintikka on knowledge and game theoretical semantics*, 499-533, (2018) Springer
10. Yanjun Li, Quan Yu, Yanjing Wang: More for free: A dynamic epistemic framework for conformant planning. *Journal of Logic and Computation* 27(8):2383-2410. (largely extended version of the TARK 2015 conference paper)
11. Tszyuen Lau and Yanjing Wang: Knowing your ability, in *The Philosophical Forum* 47(3-4):415-424 (2016), Wiley-Blackwell
12. Kai Li and Yanjing Wang: From rules to runs - a dynamic epistemic take of imperfect information take. *Studies in Logic* 8(4):74-107 (2015)
13. Jie Fan, Yanjing Wang and Hans van Ditmarsch: Contingency and knowing whether, in *Review of Symbolic Logic* 8(1):75-107 (2015), Cambridge University Press
14. Hans van Ditmarsch, Sujata Ghosh, Rineke Verbrugge, Yanjing Wang: Hidden protocols: Modifying our expectations in an evolving world. *Artificial Intelligence* 208: 18-40 (2014), Elsevier (largely extended version of the TARK 2011 conference paper)
15. Yanjing Wang and Qinxiang Cao, On axiomatizations of Public Announcement Logic. *Synthese* 190(1S): 103-134 (2013), Springer (largely extended version of the LORI 2011 conference paper)
16. Yanjing Wang, Review of *Logical Dynamics: Information and Interaction*, *Studia Logica* 102(3): 647-654, (2014), Springer
17. Fenrong Liu and Yanjing Wang, Reasoning about agent types and the hardest logic puzzle ever. *Minds and Machines* 23(1):123-161 (2012), Springer
18. Jan van Eijck, Floor Sietsma, Yanjing Wang: Composing models. *Journal of Applied Non-Classical Logics* 21(3-4): 397-425 (2011), Taylor & Francis
19. Hans van Ditmarsch, Jan van Eijck, Floor Sietsma, Yanjing Wang, On the Logic of Lying, *Games, Actions and Social Software*, pp. 41-72 (2012), Springer
20. Francien Dechesne, Yanjing Wang: To know or not to know: epistemic approaches to security protocol verification. *Synthese* 177(S1): 51-76 (2010), Springer
21. Francien Dechesne, Jan van Eijck, Wouter Teepe, Yanjing Wang: What is protocol analysis? and Protocol Analysis and Dynamic Epistemic Logic, pp. 135-146 and pp. 147-162 in: *Discourses on Social Software*, Jan van Eijck and Rineke Verbrugge (eds), Vol. 5 of Texts in Logic and Games (2009), University of Amsterdam Press

In refereed international conference proceedings

22. Yifeng Ding, JixinLiu, Yanjing Wang: Hypergraphs, local reasoning, and weakly aggregative modal logic. In Proceedings of LORI 2021
23. Michael Cohen, Wen Tang, Yanjing Wang: De Re Updates. In Proceedings of TARK 2021: 103-117
24. Yanjun Li, Yanjing Wang: Knowing How to Plan. In Proceedings of TARK 2021: : 233-247

25. Xinyu Wang, Yanjing Wang: Knowledge-now and Knowledge-all. In Proceedings of LORI 2019: 399-412
26. Jixin Liu, Yanjing Wang, Yifeng Ding: Weakly Aggregative Modal Logic: Characterization and Interpolation. In Proceedings of LORI 2019: 153-167
27. Yanjun Li, Yanjing Wang: Multi-agent knowing how via multi-step plans: a dynamic epistemic planning based approach. In Proceedings of LORI 2019: 126-139
28. Malvin Gattinger, Yanjing Wang: How to Agree without Understanding Each Other: Public Announcement Logic with Boolean Definitions. In Proceedings of TARK 2019: 206-220
29. Yanjing Wang and Jeremy Seligman: When Names Are Not Commonly Known: Epistemic Logic with Assignments. in *Advances in Modal Logic* Vol. 12 (2018): 611-628, College Publications
30. Anantha Padmanabha, R. Ramanujam, Yanjing Wang: Bundled fragments of first order modal logic: (un)decidability in Proceedings of FSTTCS2018 LIPIcs 112: 43:1-43:20
31. Yanjing Wang: A new modal framework for epistemic logic. in Proceedings of TARK 2017: 493-512 EPTCS
32. Raul Fervari, Andreas Herzig, Yanjun Li, Yanjing Wang: Strategically knowing how. In Proceedings of IJCAI 2017:1031-1038, AAAI
33. Jan van Eijck, Malvin Gattinger, Yanjing Wang: Knowing Values and Public Inspection, in Proceedings of ICLA 2017: 77-90, Springer
34. Yanjun Li, Yanjing Wang: Achieving while maintaining: A logic of knowing how with intermediate constraints, in Proceedings of ICLA 2017:154-167, Springer
35. Tao Gu and Yanjing Wang: "Knowing value" logic as a normal modal logic, in *Advances in Modal Logic* Vol. 11: 362-381 (2016), College Publications
36. Yanjing Wang: A logic of knowing how, in *Proceedings of LORI2015*:392-405, Springer
37. Yanjing Wang and Jie Fan: Epistemic Informativeness, in *Proceedings of the Second Asian Workshop on Philosophical Logic*, Studia Logica Library, Springer
38. Quan Yu, Yanjun Li, Yanjing Wang: A Dynamic Epistemic Framework for Conformant Planning, in *Proceedings of TARK2015*: 249-259, EPTCS
39. Yanjing Wang: Representing Imperfect Information of Procedures with Hyper Models. in *Proceedings of ICLA 2015*: 218-231. Springer.
40. Yanjing Wang, Jie Fan: Conditionally knowing what, in *Advances in Modal Logic* Vol. 10: 569-587 (2014), College Publications
41. Jie Fan, Yanjing Wang and Hans van Ditmarsch: Almost necessary, in *Advances in Modal Logic* Vol. 10: 178-197 (2014), College Publications
42. Yanjing Wang, Guillaume Aucher: An Alternative Axiomatization of DEL and its Applications, in Proceedings of IJCAI 2013: 1139-1146. AAAI press.
43. Yanjing Wang, Jie Fan: Knowing that, Knowing what, and Public Communication: Public Announcement Logic with Kv Operators, in Proceedings of IJCAI 2013: 1147-1154. AAAI press.
44. Yanjing Wang and Yanjun Li, Not all those who wander are lost: dynamic epistemic reasoning in navigation, in *Advances in Modal Logic* Vol. 9, pp.559-580 (2012), S. Ghilardi and L. Moss eds., College publications
45. Yanjing Wang: Reasoning about Protocol Change and Knowledge. ICLA 2011: 189-203, Springer
46. Yanjing Wang: On Axiomatizations of PAL. LORI 2011: 314-327, Springer
47. Hans P. van Ditmarsch, Sujata Ghosh, Rineke Verbrugge, Yanjing Wang: Hidden protocols. TARK 2011: 65-74, ACM digital library
48. Yanjing Wang, Floor Sietsma, Jan van Eijck: Logic of information flow on communication channels. AAMAS 2010: 1447-1448, full version in DALT 2010: 130-147, Springer
49. Yanjing Wang, Lakshmanan Kuppusamy, Jan van Eijck: Verifying epistemic protocols under common knowledge. TARK 2009: 257-266, ACM Digital library
50. Francien Dechesne, Simona Orzan, Yanjing Wang: Refinement of Kripke Models for Dynamics. ICTAC 2008: 111-125, Springer
51. Taolue Chen, Jaco van de Pol, Yanjing Wang: PDL over Accelerated Labeled Transition Systems. TASE 2008: 193-200, IEEE computer society

52. Jan van Eijck, Yanjing Wang: Propositional Dynamic Logic as a Logic of Belief Revision. WoLLIC 2008: 136-148, Springer
53. Muhammad Torabi Dashti, Yanjing Wang: Risk Balance in Exchange Protocols. ASIAN 2007: 70-77, Springer
54. Francien Dechesne, Yanjing Wang: Dynamic Epistemic Verification of Security Protocols: framework and case study. In Proc. Logic Rationality and Interaction (LORI 2007): pp.129-144 College Publications

Edited columns/volumes

Yanjing Wang: Beyond “knowing that”: nonstandard epistemic logics. *Studies in Logic* 9 (4) 2016

Yanjing Wang: Proceedings of the 2016 National Conference on Modern Logic, *Studies in Logic* 10 (2) 2017