

Tsinghua University - University of Amsterdam Joint Research Center for Logic

Annual Report 2023



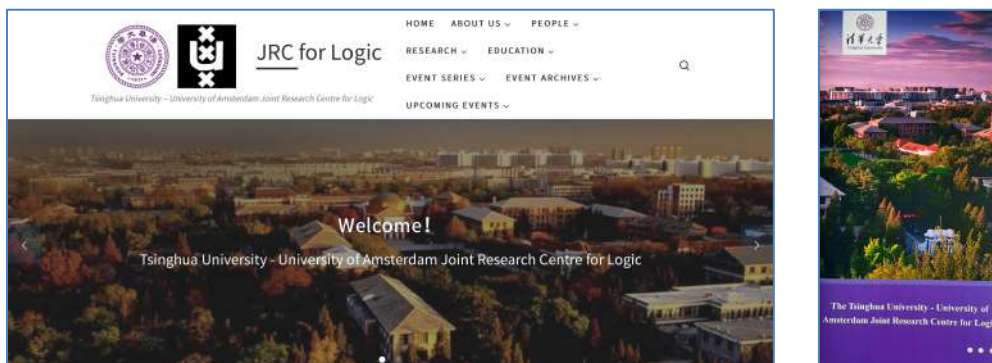
In 2013, Tsinghua University and the University of Amsterdam (UvA) instituted a joint research center for logic (JRC), based on a long-standing history of cooperation.



The JRC's mission is to maintain an active interface in research and education between the Institute for Logic, Language and Computation (ILLC) at the UvA, the Logic Group at Tsinghua and collaborators elsewhere in the world, in a collegial spirit of public service.

JRC Co-directors: Johan van Benthem, Fenrong Liu. Director of Graduate Studies: Martin Stokhof. Oversight Committee: Wan Junren (Tsinghua, chair), Sonja Smets (UvA), Robert van Rooij (UvA), Yde Venema (UvA), Wang Lu (Tsinghua), Andrew Yao (Tsinghua). For further participants and other detailed information, see our website

<http://www.tsinghualogic.net/JRC>



STATEMENT FROM THE DIRECTORS

This is our tenth annual report on research lines, education in pure and applied logic, graduate program, publications, academic events, and people involved with the Center. Broader parts of our mission are pursuing interfaces between logic and current scientific and societal developments around AI while increasing educational and cultural outreach. Our Center celebrated its first ten years in November 2023 (a brochure can be found [here](#)), on which occasion we presented our past and present initiatives (described in this report) as well as plans for the future, while the deans of our host faculties of Humanities and Sciences signed the official agreement for the next five years of cooperation.

RESEARCH PROJECTS

The JRC administers the following six programs involving UvA and Tsinghua participants plus colleagues elsewhere. Names of the coordinating project leaders are italicized.

Logic and Agency

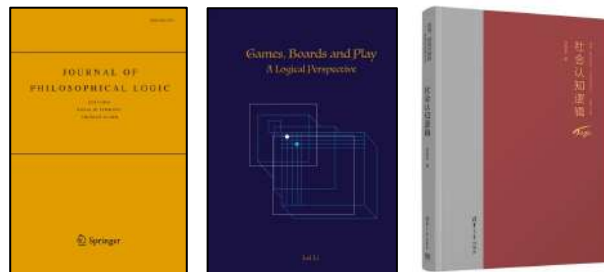
Goal: Investigating reasoning agents in complex informational social settings, with an emphasis on information dynamics, emergent attitudes, and strategic behavior in games.

Core group: Alexandru Baltag (ILLC), Johan van Benthem (ILLC), *Fenrong Liu* (Tsinghua), Jeremy Seligman (Auckland), Chenwei Shi (Tsinghua), Sonja Smets (ILLC).

Key publications:

1. Fenrong Liu, *Social Epistemic Logic*, Tsinghua University Press, 2023
2. Chenwei Shi, Sonja Smets & Fernando Velázquez-Quesada, Logic of Justified Beliefs Based on Argumentation, *Erkenntnis* 88 (3), 1207-1243, 2023
3. Qian Chen, Chenwei Shi & Yiyan Wang, Reasoning about Dependence, Preference and Coalitional Power, *Journal of Philosophical Logic*, <https://doi.org/10.1007/s10992-023-09727-2>, 2023

Highlight: Joint graduate student Lei Li finished his dissertation *Games, Boards and Play* on logical analysis of games and related social scenarios, supervised in Amsterdam (Sonja Smets), Beijing (Johan van Benthem) and Chennai (Sujata Ghosh).



Logic and Computation

Goal: Extending computational foundations and tools for logics of information and agency. Exploring new connections between logic, probability, and computing paradigms in AI.

Core group: Johan van Benthem (ILLC), Beishui Liao (Hangzhou), Malvin Gattinger (Amsterdam), Thomas Icard (Stanford), Katrin Schulz (ILLC), Kaile Su (Griffith).

Key publications:

1. Daniel Miedema & Malvin Gattinger, Exploiting Asymmetry in Logic Puzzles: Using ZDDs for Symbolic Model Checking Dynamic Epistemic Logic, *Proc's TARK 2023*
2. Johan van Benthem & Thomas Icard, Interleaving Logic and Counting, *Bulletin of Symbolic Logic*, 2023
3. Chonghui Li & Beishui Liao, Integrating Individual Preferences into Collective Argumentation, *Journal of Logic and Computation* 2023

Highlights: Zheng Gang Fellows Thomas Bolander and Ramaswamy Ramanujam taught a research seminar on Reasoning, Computing and Learning, exploring interfaces of Logic and AI resulting in joint research projects with JRC students. Johan van Benthem and Fenrong Liu cotaught a tutorial on Logic and AI at the Pacific Rim AI Conference in Jakarta.



History of Logic in China

Goal: Chinese and international researchers work on creating a history of logic in China, broadly conceived, from ancient to modern times, in a *Handbook of Logical Thought in China*, while organizing related academic events.

Core group: Peter van Emde Boas (ILLC), Chad Hansen (Hong Kong), Christoph Harbsmeier (Oslo), Fenrong Liu (Tsinghua), *Jeremy Seligman* (Auckland), Ai Yuan (Tsinghua), Jincheng Zhai (Nankai).

Key publications: The first volumes of the Handbook will appear in 2024, with Springer.

Highlight: Fenrong Liu gave an invited lecture at the Second Pan-American Symposium on the History of Logic, UCLA Los Angeles.



Logic and Philosophy

Goal: Exploring new interfaces between logic and a range of issues in philosophy of language, philosophy of mind, epistemology, metaphysics, and practical philosophy.

Core group: Asher Jiang (Tsinghua), Fengkui Ju (BNU), Xinwen Liu (CASS), John Perry (Stanford), Chenwei Shi (Tsinghua), *Martin Stokhof* (ILLC), Hao Tang (Tsinghua), Lu Wang (Tsinghua), Wei Wang (Tsinghua).

Key publications:

1. Yiyang Wang, *Collective Agency: From Philosophical and Logical Perspectives*, Ph.D. dissertation, Tsinghua University and University of Amsterdam, 2023
2. Martin Stokhof & Hao Tang (Eds). *Wittgenstein's Tractatus at 100*, Palgrave Macmillan, London 2023
3. Asher Jiang, Truthmaking Cannot be Done Afar, *Synthese* 201:73, 2023

Highlight: Launch and Workshop for Martin Stokhof's monograph *Approaching Meaning*.



Logic and Language

Goal: Syntax, semantics and pragmatics of natural language investigated by logical methods, with a special interest in comparative perspectives on the Chinese language.

Core group: Maria Aloni (ILLC), Dun Deng (Hong Kong), Mingming Liu (Tsinghua), Stanley Peters (Stanford), Martin Stokhof (ILLC), Frank Veltman (ILLC), Dag Westerståhl (Stockholm), Jiali Yang (Tsinghua).

Key publications:

1. Alexandru Baltag, Johan van Benthem & Dag Westerståhl, Compositionality in Context, in A. Palmigiano and M. Zadrzadeh (Eds.), *Samson Abramsky on Logic and Structure in Computer Science and Beyond*, Springer, 773-812, 2023
2. Haotian Tong and Dag Westerståhl, Carnap's Problem for Intuitionistic Propositional Logic, *Logics 1*, 1–19, 2023
3. Mingming Liu, Additivity, Scalarity and Mandarin Universal wh's. *Natural Language Semantics* 31, 179-218, 2023

Highlight: Joint graduate student Jiali Yang finished his dissertation *Monotonicity in Intensional Contexts* on monotonicity inference in natural language using hyperintensional semantics supervised in Amsterdam (Maria Aloni) and Beijing (Fenrong Liu)



Mathematical Logic

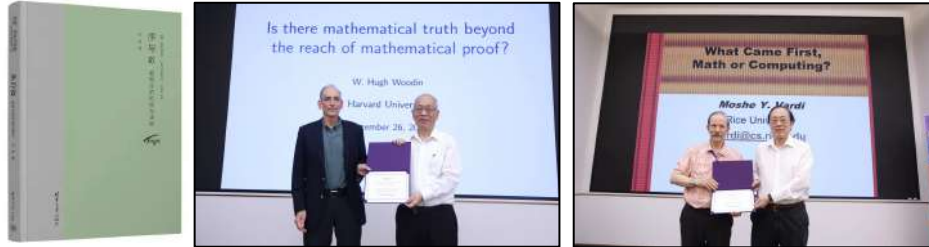
Goal: Current research lines include logics with provability semantics, proof theory for non-classical logics, set theory, and philosophy of mathematics and the sciences.

Core group: Nick Bezhanishvili (ILLC), Melvin Fitting (CUNY), Junhua Yu (Tsinghua), Qi Feng (Tsinghua).

Key publications:

1. Qi Feng, *Ordering and Numbers*, Tsinghua University Press, 2023
2. Dag Westerståhl. *Foundations of Logic*, Stanford CSLI Publications, 2023
3. Johan van Benthem and Nick Bezhanishvili, Modal Logics of Groups and Vector Spaces, *Journal of Logic and Computation*, 2023

Highlight: Junhua Yu acted as the program co-chair of the 17th National Conference on Modern Logic, held at Sichuan University on October 20-22, 2023. The first distinguished Hao Wang lectures on Logic, Mathematics and Computation were given at Tsinghua University by Hugh Woodin (Harvard) and Moshe Vardi (Rice).



APPOINTMENTS

The two founding universities have created two special positions supporting the JRC.

- *Amsterdam – China Logic Chair, 2014 – 2024*, held by Fenrong Liu.
- *Jin Yuelin Chair Distinguished Professorship*, since 2017, now into its third term. The first chair holders Johan van Benthem, Martin Stokhof, Dag Westerståhl, and Jeremy Seligman design and teach new courses, supervise students, and carry out research at Tsinghua.



NEW INITIATIVE: ZHENG GANG FELLOWS

Thanks to a generous donation by Mr. Zheng Gang, the Center has established an international program of Zheng Gang Fellows in Logic, Computation and AI. Fellows will visit for several months, work with colleagues, and teach an intensive research seminar geared toward starting joint projects with graduate students at Tsinghua. The first Fellows were Thomas Bolander (Copenhagen) and Ramaswamy Ramanujam (Chennai).



EDUCATION

Graduate program The JRC runs a selective graduate program with Ph.D. students spending time co-supervised at both sites. An official joint degree format has started in 2021, selected students receive a degree from both Tsinghua University and the UvA.

Graduated students: Malvin Gattinger (Ph.D. 2018), Chenwei Shi (Ph.D. 2018), Xiaoxuan Fu (Ph.D. 2020), Kaibo Xie (Ph.D. 2020), Dazhu Li (first official joint Ph.D. degree, 2021).

Joint dissertation defenses in 2023: Yiyan Wang (collective agency), Jialiang Yan (formal semantics), Lei Li (game logics).

Current students: Zhenkun Hu (history of logic), Mingliang Chu (medieval logic), Qian Chen (tense logic), Penghao Du (graph games), Qingyu He (causality), Rui Fan (deontic logic), Feng Jiang (set theory), Sisi Yang (neighborhood logic), Xi Yang (graph games), Wei Wang (computational logic).

Seminars The JRC organized several advanced seminars and colloquia at Tsinghua:

- Feb-Jun, 2023 AI and Logic
- May-Jun, 2023 Logic in Games
- Sep-Dec, 2023 Reasoning, Computing and Learning

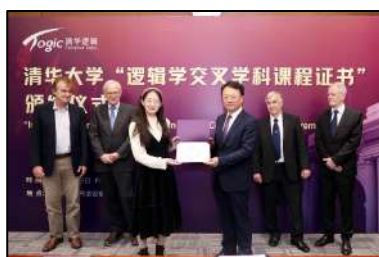
Undergraduate teaching initiative: the Tsinghua Logic Course A newly designed series of four interlocking interdisciplinary courses in logic has started at Tsinghua. New textbooks are written and tested, with two close to publication in English and Chinese.

- *Logic, Language and Philosophy*, Fenrong Liu and Martin Stokhof
- *Mathematical Foundations of Logic*, meta-theory of FOL, Dag Westerståhl
- *Modal Logics and their Applications*, introduction to modal, temporal, and epistemic logics with an emphasis on philosophical analysis, Jeremy Seligman
- *Logic, Computation and Games*, advanced introduction to dynamic epistemic logic, games and probability, including research topics, Johan van Benthem

Contracts were signed for all four Chinese textbooks as part of a new series with Posts & Telecommunications Press in Beijing. Matching English versions will be published with CSLI Publications at Stanford, the first being *Mathematical Foundations of Logic* in 2023.



Logic honors program Students who successfully finish the honor's program consisting of all four undergraduate courses receive an official certificate. This year fifteen students completed the program, from mathematics, electronic engineering, philosophy, biology, linguistics and other departments. The certificates were handed out officially by Tsinghua University President Wang Xiqin in the presence of all four foreign teachers.



Tsinghua Logic Summer School The JRC held its third summer logic school in June, with the following courses for selected students: Topological Philosophy of Science (Kevin Kelly, Pittsburgh), Logic and Games (Sujata Ghosh, Chennai; Jeremy Seligman, Auckland), Knowledge and Skepticism in Classical Chinese Thought (Chris Fraser, Toronto).

JIN YUELIN LECTURES

The JRC hosts a distinguished lecture series honoring Jin Yuelin, the founder of Tsinghua's philosophy department and a pioneer in introducing modern logic to China. Lecturers so far: John Perry, Stanford (2015), Joseph Halpern, Cornell (2017), Michael Wooldridge, Oxford (2019), Ed Keenan, UCLA (2021). The Jin Yuelin Lecturer for the year 2023 was Peter Gärdenfors (University of Lund) with presentations on the topic of "Conceptual Spaces as a Tool for Knowledge Representation".



NEW INITIATIVE: WANG HAO LECTURES

This year, in collaboration with the Yau Institute for Mathematics (led by Shing-Tung Yau) and the Institute for Interdisciplinary Information Sciences (led by Andrew Yao) at Tsinghua, the JRC has started the Wang Hao Lectures in Logic, Mathematics and Computation. These lectures honor Wang Hao, a first-generation student at Tsinghua in the 1950s and later professor at Harvard and Rockefeller University, who became an international leader in the field of mathematical logic, computational logic and the philosophy of mathematics. The first Wang Hao Lecturers were Hugh Woodin (Harvard), on the topic of "Is there a Mathematical Truth beyond the Reach of Mathematical Proof?", and Moshe Vardi (Rice) on the topic of "What Came First: Math or Computing?". A supporting workshop featured international speakers on topics in mathematical and computational logic.



OTHER SCIENTIFIC EVENTS

Workshops and conferences

- Apr 29: "Ideas and Times" Book Seminar: Approaching Meaning
- May 29: the 10th Tsinghua Logic Colloquium: Logic Meets Norms
- Jun 26–Jul 7: The Third Tsinghua Logic Summer School

- Sep 26-28: Wang Hao Lectures
- Oct 10-12: Jin Yuelin Lectures
- Nov 3, 2023: JRC 10th Anniversary Celebration

Tsinghua Logic Salon Initiated and hosted by students and researchers at the JRC, the Logic Salon promotes interaction between researchers, students and invited visitors. The following presentations were given this year:

- Feb 23, Sonja Smets (UvA) Learning what others know
 Mar 02, Dun Deng (Tsinghua) Internal anti-symmetry of Chinese disyllabic coordinative verbs and its theoretical implications
 Mar 09, Fan Yang (Utrecht) Dependence logic and its axiomatization problem
 Mar 16, Feng Ye (Capital Normal University) Introducing studies in no-self physicalism
 Mar 23, Xinwen Liu (CASS) Jin Yuelin's response to the 'Lewis-Heidegger' question.
 Mar 30, Frederik van der Putte (Ghent): The problem of no hands: responsibility voids in collective decisions
 Apr 06, Fengkui Ju (BNU): Logic for strategic reasoning in dynamic strategy contexts
 Apr 20, Shengyang Zhong (Peking): Quantum measurement and quantum entanglement from the perspective of the orthogonality relation
 May 13, Wesley Holliday (UC Berkeley): The orthologic of epistemic modals
 May 18, Sujata Ghosh (ISI, Chennai): A modal logic to reason in distributed games
 May 25, Marta Bilkova (Czech Academy of Sciences): Belnapian logics for uncertainty
 Jun 01, Yan Zhang (Renmin): Transitive logics of finite depth and finite suc-eq-width
 Jun 08, Hao Tang (Tsinghua): Attention and practical knowledge
 Oct 26, Veneeta Dayal (Yale): The interrogative left periphery and making of a question
 Nov 30, Ramaswamy Ramanujam (IMS, India) Looking for logic in social algorithms
 Dec 14, Xiaoshi Hu (Tsinghua) Event reading and nominal structures
 Dec 21, Fei Liang (Shandong) On the finite model property of two fragments of intuitionistic tense logic
 Dec 28, Yanjing Wang (Peking) Bimodal neighborhood logic

Qing Cha Hui To promote interdisciplinary interactions between teachers and students on campus, since 2020, the informal Qing Cha Hui (清茶会, Clear/Tsing Tea Session) is held, with the motto “know thyself and let others know you better”. Speakers in 2023:

Zhenkun Hu, Qingyu He, Lizhu Zhang, Fengxiang Cheng, Feng Jiang,
 Rui Fan, Qian Chen, Mingliang Chu, Xuan Li, Penghai Du, Martin Stokhof,
 Eva Henke (Humboldt-Universität zu Berlin) and Xiaoxuan Fu (China University of Political Science and Law)

Tsinghua Logic Blog A new platform for fast posting of thoughts and informal notes concerning logical research in a broad context, to create a lively environment for learning and communication. The blog is maintained by Lingyuan Ye.



PUBLICATIONS

The following publications by members and associates demonstrate research at the JRC.

Books

1. Qi Feng, *Ordering and Numbers*, Tsinghua University Press, 2023
2. Fenrong Liu, *Social Epistemic Logic*, Tsinghua University Press, 2023
3. Dag Westerståhl, *Foundations of Logic*, CSLI Publications Stanford, 2023
4. Fenrong Liu, Arun Anand Sadanandan, Duc Nghia Pham, Petrus Mursanto & Dickson Lukose, Eds.: *Proceedings PRICAI 2023: Trends in Artificial Intelligence - 20th Pacific Rim International Conference on Artificial Intelligence*, Jakarta, Indonesia, 2023
5. Martin Stokhof and Hao Tang, Eds., *Wittgenstein's Tractatus at 100*, Palgrave Macmillan, 2023

Articles

1. Hajnal Andréka, Johan van Benthem & Istvan Németi, A Note on the Submodel Preservation Property in Fragments of First-Order Predicate Logic, <https://arxiv.org/submit/4815872>, 2023
2. Alexandru Baltag, Johan van Benthem & Dag Westerståhl, Compositionality in Context, in A. Palmigiano and M. Zadrzadeh (Eds.), *Samson Abramsky on Logic and Structure in Computer Science and Beyond, Outstanding Contributions to Logic 25*, 2023, Springer, 773-812
3. Alexandru Baltag & Sonja Smets, Logic meets Wigner's Friend (and their Friends), <https://arxiv.org/abs/2307.01713>, 2023
4. Johan van Benthem, Relational Patterns, Partiality, and Set Lifting in Modal Semantics, *Outstanding Logicians Volume Saul Kripke*, Springer Science Publishers
5. Johan van Benthem, An Abstract Look at the Fixed-Point Theorem for Provability Logic, *Outstanding Logicians Volume Dick de Jongh*, Springer Science Publishers
6. Johan van Benthem & Nick Bezhanishvili, Modal Logics of Groups and Vector Spaces, *Journal of Logic and Computation*, <https://doi.org/10.1093/logcom/exac105>
7. Johan van Benthem & Thomas Icard, Interleaving Logic and Counting, *Bulletin of Symbolic Logic*, 2023
8. Bruno Bentzen, Beishui Liao, Davide Liga, Réka Markovich, Bin Wei, Minghui Xiong & Tianwen Xu, Eds.. *Logics for AI and Law, Joint Proceedings of the Third International Workshop on Logics for New-Generation Artificial Intelligence and the International Workshop on Logic, AI and Law*, September 8-9 and 11-12, 2023
9. Qian Chen, Chenwei Shi & Yiyang Wang, Reasoning about Dependence, Preference and Coalitional Power. *Journal of Philosophical Logic*, <https://doi.org/10.1007/s10992-023-09727-2>, 2023
10. Qian Chen & Li Dazhu, Logic of the Hide and Seek Game: Characterization, Axiomatization, Decidability. *Proc's DaLi: Dynamic Logic-Trends and Applications*, 2023
11. Yulin Chen, Bo Yuan, Beishui Liao & Dov Gabbay, A Self-explanatory Contrastive Logical Knowledge Learning Method for Sentiment Analysis. *Knowledge-Based Systems*, 2023. <https://doi.org/10.1016/j.knosys.2023.110863>
12. Ramit Das, Ramaswamy Ramanujam & Sunil Simon, A Logical Description of Priority Separable Games. *Proceedings LORI 2023*: 31-46

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13. Dun Deng, On the Morpho-syntax of V (le/yi) V in Colloquial Mandarin from a Diachronic-Synchronic Perspective. *Contemporary Linguistics*, No. 3, 415–433
 14. Dun Deng, A Preliminary Investigation of the Generative Mechanism of Multi-syllabic Compounds in Mandarin: A Case Study of Dish Names. *Studies of Teaching Chinese as a Foreign Language*, No. 27, 38–51
 15. Hans van Ditmarsch, Malvin Gattinger, Rahim Ramezani, Everyone Knows that Everyone Knows: Gossip Protocols for Super Experts, *Studia Logica*, Vol 111, Issue 3, 453–499
 16. Penghao Du and Qian Chen, Axiomatization of Hybrid Logic of Link Variations. *Proceedings DaLi: Dynamic Logic–New Trends and Applications 2023*
 17. Penghao Du, Fenrong Liu & Dazhu Li, Ten Years of History of Social Network Logics in China, *Trends and Reviews in Logic*, Volume 2, Issue 1, 3-26, 2023. (in Chinese)
 18. Sujata Ghosh, Shreyas Gupta & Lei Li, Bisimulation in Model-Changing Modal Logics: An Algorithmic Study, *Journal of Logic and Computation*, 2023
 19. Asher Jiang, Truthmaking Cannot be Done Afar, *Synthese* (2023) 201:73
 20. Lei Li, *Games, Boards and Play: A Logical Perspective*, PhD thesis, Tsinghua University and University of Amsterdam
 21. Chonghui Li & Beishui Liao, Integrating Individual Preferences into Collective Argumentation, *Journal of Logic and Computation*, <https://doi.org/10.1093/logcom/exac097>, 2023
 22. Beishui Liao, Pere Pardo, Marija Slavkovic & Leendert van der Torre, The Jiminy Advisor: Moral Agreements Among Stakeholders Based on Norms and Argumentation, *Journal of Artificial Intelligence Research*, 77: 737-792, 2023
 23. Mingming Liu, Additivity, Scalarity and Mandarin Universal wh's. *Natural Language Semantics*, 2023, 31, 179-218
 24. Mingming Liu, *A Bidirectional Systematic Study of Chinese Multi-Functional Adverbs and Related Grammatical Phenomena*, Peking University Press, August 2023
 25. Xinwen Liu, Jin Yuelin's Question: from Logical Point of View, *Literature, History and Philosophy*, 397(4), 2023
 26. Xinwen Liu, The Problem of Logical Constant: from Jin Yuelin's Point of View, *Philosophical Research* 5, 2023
 27. Xinwen Liu, Correspondence is the Meaning of 'Truth', *Philosophical Trends* 5, 2023.
 28. Minghui Ma & Qian Chen, Finite Model Property in Weakly Transitive Tense Logics. *Studia Logica* 111, 217–250. <https://doi.org/10.1007/s11225-022-10027-0>
 29. Daniel Miedema & Malvin Gattinger, Exploiting Asymmetry in Logic Puzzles: Using ZDDs for Symbolic Model Checking Dynamic Epistemic Logic, *Proc's TARK 2023*
 30. Mina Young Pedersen, Marija Slavkovic & Sonja Smets, Detecting Bots with Temporal Logic, *Synthese* 202 (3), 79, 2023
 31. Chenwei Shi, Sonja Smets & Fernando Velázquez-Quesada, Logic of Justified Beliefs Based on Argumentation, *Erkenntnis* 88 (3), 1207–1243, 2023
 32. Sonja Smets & Fernando Velázquez-Quesada, Philosophical Aspects of Multi-Modal Logic, *The Stanford Encyclopedia of Philosophy* (Winter 2023 Edition), Edward N. Zalta & Uri Nodelman (Eds.)

33. Martin Stokhof & Jaap van der Does, De Tractatus Lezen. En Waarderen. *Algemeen Nederlands Tijdschrift voor Wijsbegeerte*, 115:2, 139-152, 2023. English version: Reading the Tractatus. And Appreciating It, available at www.stokhof.org/papers.
34. Haotian Tong & Dag Westerståhl, Carnap's Problem for Intuitionistic Propositional Logic, *Logics* Vol. 1, 1-19, 2023
35. Yiyang Wang, *Collective Agency: From Philosophical and Logical Perspectives*. PhD dissertation, Tsinghua University and University of Amsterdam
36. Yiyang Wang, Formal and Natural, Self and No-self. *Publishers*. 2023(6). (in Chinese)
37. Kaibo Xie, Qingyu He & Fenrong Liu, A Logical Approach to Doxastic Causal Reasoning, *Proceedings DaLi '23 Conference: Dynamic Logic–New Trends and Applications*, 2023
38. Kaibo Xie & Jialiang Yan, A Logic for Desire Based on Causal Inference. *Journal of Logic and Computation*, 2023
39. Jialiang Yan, *Monotonicity in Intensional Contexts: Weakening and Pragmatic Effects under Modals and Attitudes*. PhD dissertation, Tsinghua University and University of Amsterdam, 2023
40. Ai Yuan, Toleration and Justice in the Laozi: Engaging with Tao Jiang's Origins of Moral-Political Philosophy in Early China, *Philosophy East and West* 73: 2, 466-475
41. Jincheng Zhai & Lu Pinchao, Aristotle's Non-Deductive Theory of Demonstration, *Journal of Hebei University (Philosophy and Social Sciences)*, 48:6, 2023

DISSEMINATION

Logic in Asia The JRC hosts a Springer book series *Logic in Asia: Studia Logica Library*, (<https://www.springer.com/series/13080>), a platform for monographs by researchers in Asia and worldwide. Editors-in-chief: Fenrong Liu, Hiroakira Ono, and Kamal Lodaya.

Chinese book series: Logic, Language and Intelligence The JRC runs a Chinese language series *Logic, Language and Intelligence* with Tsinghua University Press. Editor-in-chief: Fenrong Liu. In 2023: Qi Feng, *Ordering and Numbers*, Fenrong Liu, *Social Epistemic Logic*.

Celebrating our Ten-Year Anniversary

The JRC celebrated its first ten years of official activities in November 2023 with guests from China and The Netherlands and presentations by Center participants as well as Tsinghua leaders and representatives of the Dutch Embassy in Beijing:

<http://tsinghualogic.net/JRC/jrc-10th-anniversary/>



The JRC in the Media

The *Tsinghua Logic Wechat platform* currently has around 8000 followers. We announce center events, international conferences and news of the international logic community.