CV of Xu Li

Contact Information

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Education

- October, 2025 -- Current   Postdoctoral researcher, *University of Luxembourg*, Luxembourg
- October, 2021 -- October, 2025   PhD in computer science, *University of Luxembourg*, Luxembourg
- September, 2018 -- June, 2021   Master in logic, *Zhejiang University*, China
- September, 2014 -- June, 2018   Bachelor in laws, *South China Normal University*, China

Publications

Find a .bib file of my publications [here](.).

Journal

- L. Yu, X. Li, and L. van der Torre, "Agent defense in abstract argumentation: Semantics and principle-based analysis," *Argument & Computation*, Accepted.
- X. Li, G. Aucher, D. Gabbay, and R. Markovich, "From knowledge to action: Logics of permitted and obligatory announcements," *Journal of Artificial Intelligence Research*, vol. 82, no. 2025, pp. 1629--1672, 2025, doi: [10.1613/jair.1.17180](.).
- X. Li and R. Markovich, "A dynamic logic of the right to know," *Journal of Applied Logics*, vol. 12, no. 2, pp. 221--250, 2025, Available: [https://www.collegepublications.co.uk/ifcolog/?00070](.)
- Y. N. Wáng and X. Li, "A logic of knowledge based on abstract arguments," *Journal of Logic and Computation*, vol. 31, no. 8, pp. 2004--2027, 2021, doi: [10.1093/logcom/exab002](.).

Thesis

- X. Li, "Reasoning about epistemic rights," PhD thesis, University of Luxembourg, 2025. Available: [https://hdl.handle.net/10993/66182](.)

Conference

- Xu Li, Leon van der Torre, and Liuwen Yu, "A Logical Analysis of an Information Filtering Architecture Based on Epistemic Trust Inference," in *The 40th Annual AAAI Conference on Artificial Intelligence (AAAI2026)*, accepted.
- L. Lawniczak, L. Pasetto, C. Benzmüller, X. Li, and R. Markovich, "Reasoning with epistemic rights and duties: Automating a dynamic logic of the right to know in logikey," in *28th european conference on artificial intelligence (ECAI 2025)*, IOS Press, 2025. doi: [10.3233/faia250988](.).
- X. Li, L. Yu, and L. van der Torre, "Rational monotony in input/output logic," in *The 17th international conference on deontic logic and normative systems (DEON 2025)*, 2025, pp. 255--272. Available: [https://www.collegepublications.co.uk/DEON/?00005](.)
- X. Li, "Deontic sufficiency in dyadic deontic logic," in *The 6th international conference on logic and argumentation (CLAR 2025)*, 2025. doi: [10.1007/978-981-96-7956-0_10](.).
- X. Li, "The logic of epistemic obligation and two-dimensional semantics," in *Trends in logic XXIII*, 2023, pp. 66--69. Available: [https://sites.google.com/view/trends-bless-2023/home/abstracts?authuser=0](.)
- X. Li and R. Markovich, "A dynamic logic of the right to know," in *The 16th international conference on deontic logic and normative systems (DEON 2023)*, J. Maranhão, C. Peterson, C. Straßer, and L. van der Torre, Eds., College Publications, 2023, pp. 39--56. Available: [https://www.collegepublications.co.uk/DEON/?00004](.)

- H. Dong, D. Doder, X. Li, R. Markovich, L. van der Torre, and M. van Zee, "Rights and practical reasoning in deontic logic," in *Deontic logic and normative systems: 16th international conference, DEON 2023*, College Publications, 2023, pp. 1--19. Available: https://www.collegepublications.co.uk/DEON/?00004
- L. Yu, C. Al Anaissy, S. Vesic, X. Li, and L. van der Torre, "A principle-based analysis of bipolar argumentation semantics," in *Logics in artificial intelligence (JELIA 2023)*, S. Gaggl, M. V. Martinez, and M. Ortiz, Eds., Cham: Springer Nature Switzerland, 2023, pp. 209--224. doi: 10.1007/978-3-031-43619-2_15.
- X. Li, D. Gabbay, and R. Markovich, "Dynamic deontic logic for permitted announcements," in *Proceedings of the 19th international conference on principles of knowledge representation and reasoning*, 2022, pp. 226--235. doi: 10.24963/kr.2022/23.
- H. Dong, X. Li, and Y. N. Wáng, "Weighted modal logic in epistemic and deontic contexts," in *Logic, rationality, and interaction*, S. Ghosh and T. Icard, Eds., Cham: Springer International Publishing, 2021, pp. 73--87.
- X. Li and Y. N. Wáng, "A logic of knowledge and belief based on abstract arguments," in *Logic and argumentation*, M. Dastani, H. Dong, and L. van der Torre, Eds., Cham: Springer International Publishing, 2020, pp. 116--130.

Chapter in Books

- X. Li, L. van der Torre, and L. Yu, "The logic of trust from an input/output perspective," in *Festschrift for Andreas Herzig on the occasion of his 65th birthday. Essays in honor of Andi*, G. Aucher, J. Lang, T. de Lima, and E. Lorini, Eds., College Publications, 2025.

Teaching

Teaching Assistant of the following courses at University of Luxembourg:

- Intelligent Agents 2 (MICS-47)
- Intelligent Agents 1 (MICS-2-21)

Teaching Assistant of the following courses at Zhejiang University:

- Introduction to Logic (041A9180)
- Nonclassical Logic (04129760)
- Fundamentals of Mathematical Logic (0421202)
- Social Networks (04198250)
- Epistemic Logic (PHIL3001)

Academic Activities

Organizer of the following workshops:

- The ACKN Workshop ("At the Crossroads of Knowledge and Norms", October 28, 2025, Luxembourg)
- The Closing Workshop for DELIGHT Project (May 30, 2025, Luxembourg)

Reviewer of the following journals:

Information and Computation, Annals of Mathematics and Artificial Intelligence, Journal of Logic and Computation, Studies in Logic

Program Committee of the following conferences:

LNGAI2025

Reviewer of the following conferences:

AAAI2026, PRIMA2025, DEON2025 (Subreviewer), WoLLIC2023 (Subreviewer), KR2020 (Subreviewer), AAMAS2020 (Subreviewer)

Awards

- 2021 Zhejiang Province Excellent Master's Thesis

⟳ 2025-09-21   ↻ 2025-11-08