

Research Interests

Formal argumentation; collective argumentation; social choice theory; logic and AI; computational models of argument; dynamic and strategic collective decision-making.

Current Appointment

2024–present **Associate Professor and MA Supervisor**, *Institute of Logic and Cognition, Department of Philosophy, Sun Yat-sen University, Guangzhou, China.*

Employment

2019–2024 **Postdoctoral Researcher; later Associate Researcher**, *Institute of Logic and Cognition, Department of Philosophy, Sun Yat-sen University, Guangzhou, China.*

Education

- 2015–2019 **PhD in Logic**, *Institute of Logic and Cognition, Department of Philosophy, Sun Yat-sen University, Guangzhou, China.*
- 2016–2017 **Visiting PhD Student**, *Institute for Logic, Language and Computation, University of Amsterdam, Amsterdam, Netherlands.*
- 2013–2015 **MSc in Logic**, *Institute of Logic and Cognition, Department of Philosophy, Sun Yat-sen University, Guangzhou, China.*
- 2006–2010 **BA in Software Engineering**, *Guangzhou University, Guangzhou, China.*

Selected Publications

- 2019 Weiwei Chen and Ulle Endriss. Preservation of Semantic Properties in Collective Argumentation: The Case of Aggregating Abstract Argumentation Frameworks. *Artificial Intelligence*, 269: 27–48.
- 2021 Weiwei Chen. Guaranteeing Admissibility of Abstract Argumentation Frameworks with Rationality and Feasibility Constraints. *Journal of Logic and Computation*, 31(8): 2133–2158.
- 2023 Weiwei Chen. Collective Argumentation with Topological Restrictions: The Case of Aggregating Abstract Argumentation Frameworks. *Journal of Logic and Computation*, 33(2): 319–343.
- 2024 Weiwei Chen and Shier Ju. Dynamic Collective Argumentation: Constructing the Revision and Contraction Operators. *International Journal of Approximate Reasoning*, 172: 109234.
- 2026 Xiaolong Liu, Weiwei Chen, and Sylvie Doutre. Argumentation Semantics Based on Solid Admissibility and Preservation of Semantic Properties. *Journal of Logic and Computation*, 36(2): exag003.

Books and Book Chapters

- Forthcoming 陈伟伟. 《论辩聚合：社会选择理论的新视角》. 人民出版社.
- 2022 刘小龙、陈伟伟. 《论证挖掘与论证形式化》第十二章. 鞠实儿等著, 科学出版社.
- 2020 陈伟伟 and Ulle Endriss. 《融合与修正：跨文化交流的逻辑与认知研究》第五章. 鞠实儿等著, 经济科学出版社.

Journal Articles

- 2026 Xiaolong Liu, Weiwei Chen, and Sylvie Doutre. Argumentation Semantics Based on Solid Admissibility and Preservation of Semantic Properties. *Journal of Logic and Computation*, 36(2): exag003.
- 2024 Weiwei Chen and Shier Ju. Dynamic Collective Argumentation: Constructing the Revision and Contraction Operators. *International Journal of Approximate Reasoning*, 172: 109234.
- 2024 Zhe Yu, Shier Ju, and Weiwei Chen. Context-based Argumentation Frameworks and Multi-Agent Consensus Building. *Journal of Logic and Computation*, 34(2): 199–228.
- 2023 Weiwei Chen. Collective Argumentation with Topological Restrictions: The Case of Aggregating Abstract Argumentation Frameworks. *Journal of Logic and Computation*, 33(2): 319–343.
- 2021 Weiwei Chen. Guaranteeing Admissibility of Abstract Argumentation Frameworks with Rationality and Feasibility Constraints. *Journal of Logic and Computation*, 31(8): 2133–2158.
- 2019 Weiwei Chen and Ulle Endriss. Preservation of Semantic Properties in Collective Argumentation: The Case of Aggregating Abstract Argumentation Frameworks. *Artificial Intelligence*, 269: 27–48.

Conference and Workshop Papers

- 2025 Xiaolong Liu and Weiwei Chen. Proportional Acceptability of Arguments. In *Logic and Argumentation, CLAR 2025*, LNCS 15712, Springer, pp. 254–271.
- 2024 Xiaolong Liu and Weiwei Chen. On the Proportional Acceptability of Arguments in Abstract Argumentation. In *Proceedings of the 10th International Conference on Computational Models of Argument*, IOS Press.
- 2021 Weiwei Chen. Collective Argumentation with Topological Restrictions. In *Logic and Argumentation, CLAR 2021*, LNCS 13040, Springer, pp. 79–93.
- 2021 Xiaolong Liu and Weiwei Chen. Solid Semantics for Abstract Argumentation Frameworks and the Preservation of Solid Semantic Properties. In *EUMAS 2021*, LNCS 12802, Springer, pp. 178–193.
- 2021 Weiwei Chen. Collective Argumentation: The Case of Aggregating Support-Relations of Bipolar Argumentation Frameworks. *Electronic Proceedings in Theoretical Computer Science*, 335: 87–102.
- 2021 Xiaolong Liu and Weiwei Chen. Solid Semantics and Extension Aggregation Using Quota Rules under Integrity Constraints. In *Proceedings of the 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2021)*.
- 2020 Weiwei Chen. Aggregation of Support-Relations of Bipolar Argumentation Frameworks. In *Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2020)*.

- 2020 Weiwei Chen. Preservation of Admissibility with Rationality and Feasibility Constraints. In *Logic and Argumentation, CLAR 2020*, LNAI 12061, Springer, pp. 245–258.
- 2018 Weiwei Chen and Ulle Endriss. Aggregating Alternative Extensions of Abstract Argumentation Frameworks: Preservation Results for Quota Rules. In *Computational Models of Argument, COMMA 2018*, Frontiers in Artificial Intelligence and Applications 305, IOS Press, pp. 425–436.
- 2017 Weiwei Chen and Ulle Endriss. Preservation of Semantic Properties during the Aggregation of Abstract Argumentation Frameworks. *Electronic Proceedings in Theoretical Computer Science*, 251: 118–133.

Research Grants

- 2024 Principal Investigator, 公理化群体论辩的可能性和防操纵性研究. Natural Science Foundation of Guangdong, China, 2024A1515012540.
- 2022 Principal Investigator, 基于社会选择方法的论辩聚合理论研究. National Social Science Fund of China, 22FZXB093.
- 2022 Principal Investigator, 公理化群体论辩理论. Ministry of Education of China, Humanities and Social Sciences Youth Fund, 22YJC72040001.
- 2019 Principal Investigator, 形式论辩中的双极论辩框架与分级论辩语义聚合研究. China Postdoctoral Science Foundation, 2019M663352.

Selected Talks

- 2024 Constructing the Revision and Contraction Operators for Dynamic Collective Argumentation. The 3rd International Workshop on Logic for Multi-Agent Systems, Zhejiang University, June 2024.
- 2024 Dynamically Rational Collective Argumentation. The 3rd International Workshop on Logic and Philosophy, Tsinghua University, May 2024.
- 2024 Collective Argumentation: Static and Dynamic Perspectives. Seminar at PKU Center of Logic, Language, and Cognition, Peking University, March 2024.
- 2023 Dynamic Collective Argumentation. Trends in Logic, Toruń, Poland, November 2023.
- 2022 Applying the Axiomatic Method to Collective Argumentation. Individual and Collective Reasoning Group Seminar, University of Luxembourg, February 2022.
- 2021 Collective Argumentation with Topological Restrictions. CLAR 2021, online, October 2021.
- 2021 Collective Argumentation: The Case of Aggregation of Support-Relations of Bipolar Argumentation Frameworks. TARK 2021, online, June 2021.
- 2020 Preservation of Admissibility with Rationality and Feasibility Constraints. LILaC Team Seminar, IRIT, France, online, December 2020.
- 2020 Aggregation of Support-Relations of Bipolar Argumentation Frameworks. AAMAS 2020, online, May 2020.
- 2018 Aggregating Extensions of Abstract Argumentation Frameworks. Computational Social Choice Seminar, ILLC, University of Amsterdam, September 2018.
- 2017 What Can We Expect from Consensus Decision-making? Cool Logic Seminar, University of Amsterdam, September 2017.
- 2017 Aggregation of Abstract Argumentation Frameworks. TARK 2017, Liverpool, United Kingdom, July 2017.

Professional Service

Program committee ECAI 2024, 2025; LNGAI 2023, 2024; AAMAS 2023, 2024, 2025; PRICAI 2023, 2024; CLAR 2020, 2023, 2025; IJCAI 2020, 2025.

Reviewer *Autonomous Agents and Multi-Agent Systems*; *Journal of Applied Non-Classical Logics*; *Studies in Logic* (逻辑学研究).

Academic Profiles

Homepage <https://chenww.com/>

Faculty page <https://philosophy.sysu.edu.cn/teacher/ChenWeiwei>

Google Scholar <https://scholar.google.com/citations?user=I8ISBZAAAAAJ>

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DBLP Weiwei Chen 0006 (partial index of computer-science-related publications)