

Cheng-Syuan Wan

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🌐 <https://cswphilo.github.io/>

Research Interests

- 📌 Structural proof theory, substructural logic, categorical and algebraic semantics.

Education

- 2021 – Mar. 2025 (expected) 📌 **Ph.D. Computer Science, Tallinn University of Technology**, Estonia.
Thesis title: *Proof Theory of Semi-substructural Logics*
- 2017 – 2020 📌 **M.A. Philosophy, National Chung Cheng University**, Taiwan.
Thesis title: *Notes on Curry-Howard-Lambek Correspondence*.
- 2012 – 2016 📌 **B.A. Philosophy, National Chung Cheng University**, Taiwan.

Publications

- 1 C.-S. Wan, “Semi-substructural logics à la Lambek,” in *Proceedings of 11th International Conference on Non-classical Logics: Theory and Applications, NCL 2024*, A. Indrzejczak and M. Zawidzki, Eds., ser. Electronic Proceedings in Theoretical Computer Science, To appear.
- 2 N. Veltri and C.-S. Wan, “Semi-substructural logics with additives,” in *Proceedings of 18th International Workshop on Logical and Semantic Frameworks, with Applications and 10th Workshop on Horn Clauses for Verification and Synthesis, LSFA/HCVS 2023*, D. M. Temur Kutsia Daniel Ventura and J. F. Morales, Eds., ser. Electronic Proceedings in Theoretical Computer Science, Open Publishing Association, 2023, pp. 63–80. 📄 DOI: 10.4204/eptcs.402.8.
- 3 T. Uustalu, N. Veltri, and C.-S. Wan, “Proof theory of skew non-commutative MILL,” in *Proceedings of 10th International Conference on Non-classical Logics: Theory and Applications, NCL 2022*, A. Indrzejczak and M. Zawidzki, Eds., ser. Electronic Proceedings in Theoretical Computer Science, vol. 358, Open Publishing Association, 2022, pp. 118–135. 📄 DOI: 10.4204/eptcs.358.9.

Skills

- Natural Languages 📌 English (fluent), Mandarin Chinese (native).
- Artificial Languages 📌 \LaTeX , Agda

Community

- Reviewing 📌 Conference reviewer at FoSSaCS and AiML. Journal reviewer at JLLI.
- Volunteering 📌 Volunteer at ICALP-LiCS-FSCD joint conference 2024, Tallinn, Estonia.

Teaching Experience

Teaching Assistant

2017-2020  Logic (I) and (II)

- Mentored students through office hours and one-on-one communication.
- Taught small groups of students focused on specific parts of coursework.
- Checked assignments, proctored tests, and provided grades according to university standards.