Publication List
as of March 15, 2024

Zengqing Wu

[1]Kyoto University   [2]Osaka University

International Journals and Conferences

[1] Z. Wu, H. Liu, and C. Xiao. "Utilization of Information Entropy in Training and Evaluation of Students' Abstraction Performance and Algorithm Efficiency in Programming". In: *IEEE Transactions on Education* (2024).

[2] H. Liu, Z. Wu, Y. Lu, and L. Zhu. "Exploring the balance between computational thinking and learning motivation in elementary programming education: An empirical study with game-based learning". In: *IEEE Transactions on Games* 15.1 (2022), pp. 95–107.

[3] X. Han, Z. Wu, and C. Xiao. ""Guinea Pig Trials" Utilizing GPT: A Novel Smart Agent-Based Modeling Approach for Studying Firm Competition and Collusion". In: *arXiv preprint arXiv:2308.10974* (2023).

Preprint

[4] Z. Wu, R. Peng, X. Han, S. Zheng, Y. Zhang, and C. Xiao. "Smart agent-based modeling: On the use of large language models in computer simulations". In: *arXiv preprint arXiv:2311.06330* (2023).

[5] J. Wang, R. Jiang, C. Yang, Z. Wu, M. Onizuka, R. Shibasaki, and C. Xiao. "Large Language Models as Urban Residents: An LLM Agent Framework for Personal Mobility Generation". In: *arXiv preprint arXiv:2402.14744* (2024).

[6] Z. Wu, S. Zheng, Q. Liu, X. Han, B. I. Kwon, M. Onizuka, S. Tang, R. Peng, and C. Xiao. "Shall We Talk: Exploring Spontaneous Collaborations of Competing LLM Agents". In: *arXiv preprint arXiv:2402.12327* (2024).

Books

[7] S. Zhu and Z. Wu. *Modeling Thinking in Science and Engineering Practice*. Upcoming. Shanghai Educational Publishing House, 2024.

Thesis

[8] Z. Wu. "Bridging the Gap: Utilizing Knowledge Graphs to Uncover Inconsistencies in Social Science Theories". Under the supervision of Prof. Christian Etzrodt and Prof. Chuan Xiao. 2023.

Other Publications

[9] Z. Jiang, Z. Wu, and C. Xiao. "Token-Free Cross-Lingual Named Entity Recognition for Classical Chinese". In: *Proceedings of the 15th Forum on Data Engineering and Information Management* (2023).

[10] J. Wang and Z. Wu. "The Implications and Practices of Mathematical Abstraction and Mechanistic Analysis in Mathematical Modeling Teaching in Secondary Schools". In: *School Mathematics in Shanghai (China)* (2022).

[11]   S. Zhu, J. Zhao, and Z. Wu. "The Teaching Strategy of Isomerism of the Same Topic for the New Subject "Biology Interdisciplinary Case Analysis" in Shanghai Senior High School Entrance Examination". In: *Biology Teaching (China)* (2021).