

Bin Li

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Education

- 2023 – now 📖 **Ph.D. Candidate, Graduate School of Frontier Science, the University of Tokyo**
- 2021 – 2023 📖 **M.Eng., Graduate School of Engineering, the University of Tokyo**
Thesis title: *Evaluation of Task-Oriented Learning Ability of Spiking Neural Networks under Excitation-Inhibition Interaction.*
- 2017 – 2021 📖 **B.S., Department of Physics, Jilin University**
Thesis title: *Structural and Optical Properties of $Cs_2AgIn_{0.9}Bi_{0.1}Cl_6$ Nanocrystals Under High Pressure.*

Research Publications

Journal Articles

- 1 **B. Li**, R. Iguchi, H. Noyama, T. Zheng, K. Kotani, and Y. Jimbo, “The effects of biological constraints on the performance of spiking neural networks,” *IEEJ Transactions on Electronics, Information and Systems*, vol. 143, no. 7, pp. 634–640, 2023. 🔗 DOI: 10.1541/ieejeiss.143.634.
- 2 H. Noyama, Y. Yoshikai, **L. Bin**, R. Iguchi, K. Kotani, and Y. Jimbo, “Analysis of a neural population model for interaction of LFP and individual action potential,” *IEEJ Transactions on Electrical and Electronic Engineering*, vol. 18, no. 4, pp. 597–604, 2023, ISSN: 1931-4981. 🔗 DOI: 10.1002/tee.23764.

Skills

- Languages 📖 English(Fluent, TOFEL 92), Mandarin Chinese (Native), Japanese (Fluent, N1).
- Coding 📖 Python, Matlab, L^AT_EX

Miscellaneous Experience

Awards and Achievements

- 2024 📖 **Research Fellowship for Young Scientist DC1**, Japan Society for the Promotion of Science.
- 2023 📖 **UTokyo Todai Fellowship**, the University of Tokyo.