

Takahiro Matsunaga

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Education

Ph.D. in Civil Engineering, the University of Tokyo

Since 2025.10

M.S. in Civil Engineering, the University of Tokyo (Outstanding Paper Award)

2024.04 - 2025.09

B.S. in Civil Engineering, the University of Tokyo (Best Paper Award)

2020.04 - 2024.03

Journal Articles

- [6] 松永 隆宏 and 羽藤 英二. “BLE 観測の不確実性を考慮した屋内 3 次元経路選択モデルの推定”. ja. In: **都市計画論文集** 59.3 (2024). 査読あり, pp. 1683–1690.

International Conferences

- [1] Takahiro Matsunaga and Eiji Hato. “Interaction of 3D pedestrian flow in a congested railway station: Structural estimation based on Mean Field Game theory”. In: *The 12th International Conference on Pedestrian and Evacuation Dynamics (PED 2025)*. Peer-reviewed, accepted, oral presentation. Prague, Czech Republic, Sept. 2025.
- [4] Takahiro Matsunaga and Eiji Hato. “Joint Estimation of Latent OD Matrix and 3D Route Choice Model Across Railway Station Boundaries based on Manifold Learning”. In: *The 28th International Conference of Hong Kong Society for Transportation Studies (HKSTS 2024)*. Peer-reviewed, oral presentation. Hong Kong, Dec. 2024.
- [5] Takahiro Matsunaga and Eiji Hato. “Three-Dimensional Pedestrian Route Choice Model with Quantization of Observational Uncertainty”. In: *IEEE International Conference on Intelligent Transportation Systems (ITSC)*. Peer-reviewed, oral presentation. Edmonton, Canada, Sept. 2024.

Domestic Conferences

- [3] 松永 隆宏 and 羽藤 英二. “複雑な day-to-day 活動動態学習に基づく首都圏アクティビティ生成モデル”. ja. In: **交通工学研究発表会**. 査読なし・口頭発表予定. 2025.

Awards

- [2] *Outstanding Master Thesis*. The Department of Civil Engineering, The University of Tokyo, 2025.
- [7] *Best Graduation Thesis*. The Department of Civil Engineering, The University of Tokyo, 2023.