





## REFERENCES

- [1] E. Mas, A. Suppasri, F. Imamura, and S. Koshimura, "Agent-based Simulation of the 2011 Great East Japan Earthquake/Tsunami Evacuation: An Integrated Model of Tsunami Inundation and Evacuation," *Journal of Natural Disaster Science*, vol. 34, no. 1, pp. 41–57, 2012.
- [2] H. Wang, A. Mostafizi, L. A. Cramer, D. Cox, H. Park, "An agent-based model of a multimodal near-field tsunami evacuation: decision-making and life safety," *Transp. Res. Part C: Emerg. Technol.*, vol. 64, pp. 86–100, 2016.
- [3] T. Takabatake, T. Shibayama, M. Esteban, H. Ishii, and G. Hamano, "Simulated tsunami evacuation behavior of local residents and visitors in Kamakura, Japan," *International Journal of Disaster Risk Reduction*, vol. 23, pp. 1–14, 2017.
- [4] J. Bangate, J. Dugdale, E. Beck, and C. Adam, "SOLACE a multiagent model of human behaviour driven by social attachment during seismic crisis," In *4th International Conference on Information and Communication Technologies for Disaster Management (ICT-DM)*, pp. 1–9, 2017.
- [5] A. Horni, K. Nagel, and K. W. Axhausen, "The Multi-Agent Transport Simulation MATSim," Ubiquity Press, 2016.
- [6] T. Morstyn, A. V. Savkin, B. Hredzak, and H. D. Tuan, "Scalable energy management for low voltage microgrids using multi-agent storage system aggregation," *IEEE Transactions on Power Systems*, vol. 33, no. 2, pp. 1614–1623, 2018.
- [7] L. Ma, N. Liu, L. Wang, J. Zhang, J. Lei, Z. Zeng, C. Wang, and M. Cheng, "Multi-party energy management for smart building cluster with PV systems using automatic demand response," *Energy Build.*, vol. 121, pp. 11–21, 2016.
- [8] J. Bergstra and Y. Bengio, "Random Search for Hyperparameter Optimization," *Journal of Machine Learning Research*, vol. 13, pp. 281–305, 2012.
- [9] J. Mockus, "On Bayesian Methods for Seeking the Extremum," *Optimization Techniques IFIP Technical Conference Novosibirsk*, pp. 400–404, 1974.
- [10] N. Hansen, and A. Ostermeier, "Completely Derandomized Self-Adaptation in Evolution Strategies," *Evolutionary Computation*, vol. 9, no. 2, pp. 159–195, 2001.
- [11] Y. Ozaki, M. Yano, and M. Onishi, "Effective Hyperparameter Optimization Using Nelder-Mead Method in Deep Learning," *IPSJ Transactions on Computer Vision and Applications*, Nov. 2017.
- [12] J. A. Nelder, and R. A. Mead, "A Simplex Method for Function Minimization," *The Computer Journal*, vol. 7, pp. 308–313, 1965.
- [13] Fruin - levels of service [Online]. Available: <http://www.gkstill.com/Support/crowd-flow/fruin/LoS.html>
- [14] T. Yamashita, T. Okada, and I. Noda, "Implementation of Simulation Environment for Exhaustive Analysis of Huge-Scale Pedestrian Flow," *SICE Journal of Control, Measurement, and System Integration*, vol. 6, no. 2, pp. 137–146, 2013.