Wei Yan 嚴瑋

PhD Student

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Education

- PhD of Civil Engineering

  University of Macau, Macau   2022.01 – present

- Master of Civil Engineering

  Nanyang Technological University, Singapore   2020.09 – 2021.06

- Bachelor of Civil Engineering

  University of Macau, Macau   2016.09 – 2020.06

Publications

- Zhu, X., Chu, J., Wang, K., Wu, S., Yan, W., & Chiam, K. (2021). Prediction of rockhead using a hybrid N-XGBoost machine learning framework. Journal of Rock Mechanics and Geotechnical Engineering, 13(6), 1231–1245. https://doi.org/10.1016/j.jrmge.2021.06.012

- Wei, Y., Xing, Z., Jian, C., Wang, K., Wu, S., & Chiam, K. (2021). Use of Tree-Based Machine Learning Methods for Stratigraphic Classification in 3D Geological Modelling. IOP Conference Series: Earth and Environmental Science, 072039. https://doi.org/10.1088/1755-1315/861/7/072039

- Wang, Y., Yan, W., Ieong, J., & Lok, T. M. H. (2021). Laboratory Evaluation and Neural Network Modeling of Treated Macau Marine Clay. Resilient Design and Construction of Geostructures Against Natural Hazards, 1–14. https://doi.org/10.1007/978-3-030-79854-3_1

Research Interests

- Machine learning in 3D geological modelling
- Random field in underground uncertainty

Projects

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Selected Awards & Honors

- Excellent Paper Award of ARMS 11

Academic Services

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