

Hailin Wang

Ph.D. candidate at Tongji University & The Hong Kong Polytechnic University

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 📄 [Hailin-Wang-4](#) 🔄 [hailiin](#) ✂️ [hailiin](#) @ [hailiinw](#) 📺 [hailiin](#)

Education

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|---|---|
| BEng Huazhong University of Science and Technology , Civil Engineering
• Weighted grade: 91.79 (rank 1/64)
• Honors: Received the National Scholarship and Merit Student of Huazhong University of Science and Technology for three consecutive years (2017-2019) | Wuhan, China
Sept 2016 – June 2020 |
| PhD Tongji University , Geotechnical Engineering
• Advisor: Prof. Xiaoqiang Gu | Shanghai, China
Sept 2020 – present |
| PhD The Hong Kong Polytechnic University , Geotechnical Engineering
• Thesis: Multiscale Modelling of Granular Soils with Inherent and Induced Fabric Anisotropy
• Advisor: Prof. Zhen-Yu Yin | Hong Kong, China
Sept 2021 – present |

Projects

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| https://github.com/hailiin/abqpy
Type Hints for Abaqus/Python Scripting
• Enable intelligent type hinting for Abaqus/Python scripting
• 300+ GitHub stars, 50+ forks | June 2022 – present |
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Publications

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| Uncertainty Quantification of Soil-Structure Interface Properties with an Enhanced Hypoplastic Interface Model
Hai-Lin Wang , Yin-Fu Jin, Zhen-Yu Yin, Xiao-Qiang Gu
10.1061/IJGNAL.GMENG-9248 (International Journal of Geomechanics) | June 2024 |
| Evaluation of Soil-Structure Interface Models
Hai-Lin Wang , Zhen-Yu Yin, Yin-Fu Jin, Xiao-Qiang Gu
10.1061/JGGEFK.GTENG-11486 (Journal of Geotechnical and Geoenvironmental Engineering) | July 2024 |
| Evaluation of Soil-Structure Interface Models Considering Cyclic Loading Effect
Hai-Lin Wang , Zhen-Yu Yin, Xiao-Qiang Gu, Yin-Fu Jin
10.1002/nag.3831 (International Journal for Numerical and Analytical Methods in Geomechanics) | Nov 2024 |
| Integration of critical state theory into a micromechanical model for granular materials accounting for fabric evolution
Hai-Lin Wang , Xiaoqiang Gu, Zhen-Yu Yin, Chao-Fa Zhao
10.1016/j.compgeo.2025.107379 (Computers and Geotechnics) | Oct 2025 |
| A generalized anisotropic failure criterion for granular materials based on a multi-scale micromechanical approach
Hai-Lin Wang , Xiaoqiang Gu, Zhen-Yu Yin
10.1016/j.ijsolstr.2025.113696 (International Journal of Solids and Structures) | Jan 2026 |

Honors

- National Scholarship (2017-2019)
- Merit Student of Huazhong University of Science and Technology (2017-2019)