

Zhuan Ge, Ph.D.

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🌐 <https://www.researchgate.net/profile/Zhuan-Ge>

📦 Granular Materials; Multi-scale physics; Rheology



Education

- 2019 – 2023 📖 **Ph.D., Zhejiang University** Civil Engineering.
Ph.D., Westlake University Civil Engineering.
Thesis title: *Rheology of Granular-Fluid Systems and its Application in the Submarine Landslides*.
- 2016 – 2019 📖 **M.Eng., Northeastern University - Shenyang, China** Thermal Energy and Power Engineering.
- 2011 – 2015 📖 **B.Eng., Sichuan University- Chengdu, China** Metallurgical Engineering.

Employment History

- 2019.02 – 2019.09 📖 **Temporary Engineer**, ShonCloud Technology, Su Zhou Cities, Jiangsu, China.

Research Publications

Journal Articles

- 1 Ge, Z., Man, T., & Galindo-Torres, S. A. (2023). Mean stress tensor of discrete particle systems in submerged conditions. *International Journal of Solids and Structures*, 271-272, 112239.
🔗 [doi:https://doi.org/10.1016/j.ijsolstr.2023.112239](https://doi.org/10.1016/j.ijsolstr.2023.112239)
- 2 Man, T., Zhang, P., Ge, Z., Galindo-Torres, S. A., & Hill, K. M. (2023). Friction-dependent rheology of dry granular systems. *Acta Mechanica Sinica*, 39(1), 722191.
- 3 Man, T., Ge, Z., Huppert, H. E., & Galindo-Torres, S. A. (2022). Transient rheology and size effect in granular column collapses (in Chinese). *Chinese Journal of Computational Mechanics*, (3), 381–388.
🔗 [doi:https://doi.org/10.7511/jsLxCMGM202215](https://doi.org/10.7511/jsLxCMGM202215)



Preprints

- 1 Ge, Z., Man, T., Huppert, H. E., Hill, K., & Galindo-Torres, S. A. (2022). Unifying Lengthscale-Based Rheology of Dense Granular-Fluid Mixtures. 🔗 [doi:10.48550/arXiv.2210.08746](https://doi.org/10.48550/arXiv.2210.08746)
- 2 Ge, Z., Man, T., Huppert, H. E., & Galindo-Torres, S. A. (2022). Transient Rheology of Immersed Granular Materials. 🔗 [doi:10.48550/arXiv.2205.15067](https://doi.org/10.48550/arXiv.2205.15067)

Skills

- Languages 📖 Native speaker of Mandarin Chinese; Strong reading, writing, and speaking competencies in English.
- Coding 📖 C++, Python, L^AT_EX, ...

Skills (continued)

- Software  MATLAB, MechSys (DEM, LBM, ...), Solidworks, 3DMAX, ANSYS, Lammps ...
- Misc.  Academic research, teaching, training, consultation.

References

Prof. Sergio A. Galindo-Torres

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Dr. Teng Man

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Prof. Kimberly M. Hill

Associate Professor
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