

Postdoc Position: Suction Bucket Foundations for Revetments in Deep Soft Soils

Location: Computing Center for Geotechnical Engineering, Zhejiang University, Hangzhou, China

Duration: Two- to three-year position with a flexible start date in 2026.

We are looking for an enthusiastic and accomplished postdoctoral researcher to join our team at the Computing Center for Geotechnical Engineering of Zhejiang University. The ideal candidate will have a PhD in geotechnical engineering or a related field, with a proven track record of excellence. This project investigates bucket foundation revetments on deep soft foundations, with direct relevance to coastal infrastructure development in China. Using physical model tests, CEL large-deformation FEM, and CFD-FEM fluid-structure interaction modelling, the research will investigate suction bucket installation mechanisms, long-term bearing capacity under wave and surcharge loading, and develop a practical design method for bucket foundation revetments. Ideal candidates will have a strong background in geotechnical physical modelling or advanced numerical methods. Experience in offshore or coastal geotechnics is an asset. We are looking for a highly motivated researcher eager to contribute to this impactful project.

Qualifications:

- PhD degree in a relevant field such as geotechnical engineering.
- Strong background in large-deformation FEM and CFD-FEM modelling.
- Experience in offshore/coastal geotechnics or foundation engineering is a plus.
- Excellent communication skills in English, both oral and written.

Benefits:

- Highly competitive annual salary of over 320k RMB.
- Comprehensive start-up package and support for securing further funding opportunities.

To apply for this position, please send your cover letter and CV to Dr. [Chaofa ZHAO](mailto:chaofa.zhao@zju.edu.cn) (chaofa.zhao@zju.edu.cn). The review of candidates will begin on July 15th, 2026, and applications will be accepted until the position is filled.

