

# Postdoctoral Position: Nano-scale Modelling of Clays

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

**Duration:** Two-year position with a flexible start date in 2023.

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 mechanical, chemical, civil, resource engineering or a related field, with a proven track record of excellence. Our research focuses on the nano-, micro- and macro-scale modelling of clays, and we require a candidate with a strong background in numerical computing, particularly in Molecular Dynamics, such as GROMACS, LAMMPS, NAMD, *etc.* Experience in granular simulations and clay mechanics is an asset.

The primary objective of this project is to gain a better understanding of the nano-scale behavior of clays, which will enable us to investigate micro- and macro-scale clay deformations under complex loading conditions. We are looking for a highly motivated and talented researcher who is eager to contribute to this exciting project.

## Qualifications:

- PhD degree in a relevant field such as mechanical, chemical, civil or resource engineering.
- Strong background in numerical scientific computing on Molecular Dynamics.
- Experience with granular simulations and clay mechanics is a plus.
- Excellent communication skills in English, both oral and written.

## Benefits:

- highly competitive annual salary of over 350,000RMB, commensurate with experience and qualifications.
- 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. [Fushen LIU](mailto:fushenliu@zju.edu.cn) (fushenliu@zju.edu.cn) or Dr. [Chaofa ZHAO](mailto:chaofa.zhao@zju.edu.cn) (chaofa.zhao@zju.edu.cn). The review of candidates will begin on April 1<sup>st</sup>, 2023, and applications will be accepted until the position is filled.

