

# Postdoctoral positions on green technologies for soil reinforcement at Shandong University, China

## About the position

School of Civil Engineering of Shandong University invites applications for a postdoctoral position at Shandong University, China. The research project will focus on green technologies for soil improvement such as vegetation and soil bio-cementation. Different experiments have been developed and performed within the research team of our laboratory on different scales (lab scale with x-ray microtomography, physical models and real scale measurements, etc.). Modelling these phenomena by FEM or DEM based on real X-ray microtomography and *in-situ* measurements must be performed in this postdoc to understand this phenomenon in different ways and valorize the obtained experimental results. This research project is funded by the Ministry of Science and Technology of China and two leading industrial partners.

## About the university

Shandong University, under the direct jurisdiction of the Ministry of Education, is a leading university in China with a membership of Project 985. It ranks 201-250 in the world according to ARWU world university ranking 2022. The university is based in Jinan, the capital city of a coastal province—Shandong Province.

## Qualifications

Applicants must have a Ph.D. degree in Engineering, Science or other relevant disciplines. Good abilities or experiences in computer programming (FEM or DEM), image processing and experimental unsaturated soil mechanics are highly valued. Foreign applicants are also welcomed and we will help the successful candidate to obtain a Chinese visa.

## Salary and contract

250 000 ~ 400 000 CNY / year (35k~55k €/year), depending on the performance and contribution to the institute. On-campus accommodation will also be provided at a preferential price (about 150 € for a flat of 70m<sup>2</sup>). In addition, the living standard in Jinan is rather low (you can live well for just under 1000€ per month). Transportation, food, and goods are half the prices compared to the cheapest European countries. The services and accommodation are much better with low prices.

The position is expected to get started as early as possible. Contract duration: 2~3 years (extensions are possible if additional funding will be acquired).

## Closing date for applications

The team will recruit 1-2 postdoctoral researchers every year until 2025, so this advertisement will be long-term effective. But early applications are more welcomed.

## **Contacts**

Please submit a C.V. including two academic reference letters to the postdoc supervisors Prof. Ji-Peng Wang: [ji-peng.wang@sdu.edu.cn](mailto:ji-peng.wang@sdu.edu.cn) and Dr. Abdelali Dadda : [abdelali.dadda@sdu.edu.cn](mailto:abdelali.dadda@sdu.edu.cn). After a review of the background of the candidates by the team, formal applications to the university will be invited.