Postdoctoral positions on geohazards detection based on AI/UAVs 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 developing advanced detection technologies for geohazard prevention based on drones (UAVs). New monitoring and early warning systems for geohazards (slope failure, rock fall, dam deterioration, etc.) will be established based on AI technology, UAV digital photogrammetry, and other UAV-mounted devices such as magnetic survey devices (LiDAR, thermal infrared radar, multispectral, etc.). 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 AI, and ML, image processing, remote sensing and geohazard prevention 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^2). 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 and Dr. Abdelali Dadda : 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