

## Research Fellow (Geotechnical Engineering) Nanyang Technological University

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Posted Apr. 22, 2024, set to expire Apr. 1, 2025

<b>Job Title</b>	Research Fellow (Geotechnical Engineering)
<b>Department</b>	School of Civil and Environmental Engineering
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Apr. 22, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate Professional Staff
<b>Academic Field(s)</b>	Geotechnical Computer Science Civil Engineering
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<b>Job Description</b>	

The School of Civil and Environmental Engineering (CEE) at Nanyang Technological University is a leading school for Sustainable Built Environment. It has over 60 faculty members and more than 1,500 students and is rapidly expanding its range of education and research activities. The School of Civil and Environmental Engineering (CEE) aims at exploring and utilizing the underground space in a sustainable manner.

CEE is seeking to hire a high-calibre Research Fellow to provide leadership and support for energy

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transformation of geotechnical industry. The position will be involved in a research project related to geotechnical engineering, and geoenvironmental engineering.

### **Key Responsibilities:**

- Develop constitutive models to simulate thermo-hydro-mechanical behaviors of fine-grained soils.
- Apply developed numerical tools to investigate thermomechanical behaviors of geostructures.

### **Job Requirements:**

- Ph.D. degree in Civil/Geotechnical Engineering, Computer Science, or a related field.
- Excellent programming skills, such as Python, MATLAB, or other competent languages.
- One or two-year research experience in geotechnical engineering, constitutive modelling, and/or numerical modelling.
- A good record of publications in reputable peer-reviewed journals or conferences
- Proficiency in written and spoken English.
- Previous experience in proposal writing is preferred

We regret that only shortlisted candidates will be notified.

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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**

Singapore