

Title: Assistant Professor (Geotechnical Engineering)  
Position Number: To be provided at a later date  
Hiring Unit: College of Engineering – Civil, Environmental & Construction Engineering  
Location: UH Manoa  
Date Posted: 09/08/2023  
Closing Date: Continuous - application review begins December 12, 2023  
Salary Information: Commensurate with qualifications and experience  
Monthly Type: 9 Month  
Tenure Track: Tenure  
Full Time/Part Time: Full Time  
Temporary/Permanent: Permanent  
Funding: General Funds

The University of Hawai'i at Mānoa campus is dedicated to becoming a Native Hawaiian Place of Learning, a place that is responsive to Native Hawaiians and reflective of Indigenous Hawai'i where all can learn, grow, connect, and heal from. UH Mānoa is also a designated Truth, Racial Healing, and Transformation Campus Center.

Other Conditions: The University of Hawai'i at Manoa (UHM), College of Engineering, Department of Civil and Environmental Engineering invites applications for a full-time, general fund, tenure track, faculty position, pending position clearance and availability of funds to begin approximately August 1, 2024, or as soon as possible thereafter.

The successful candidate will have access to a well-equipped geotechnical testing laboratory, along with associated machine shop facilities. Available computer facilities are extensive, including access to the Maui High-Performance Computing Center and state-of-the-art multimedia computer instructional laboratories.

The University of Hawai'i is a Carnegie R1 doctoral university with a strong emphasis on research and graduate education. The Department offers B.S., M.S., and Ph.D. degrees, and its undergraduate program is ABET accredited. Current enrollment is approximately 300 undergraduate and 60 graduate students with 19 faculty members. For more information on the department, please visit our website at [cee.hawaii.edu](http://cee.hawaii.edu).

**Duties and Responsibilities:**

1. Teaching undergraduate and graduate courses in geotechnical engineering and related civil engineering courses including engineering mechanics; developing and teaching advanced courses in one or more of the following areas: engineering seismology, energy geotechnics, material reuse and recycle, resilience and sustainability of urban systems and infrastructure, remote sensing using land, airborne or satellite sensors, virtual and augmented reality, digital twin applications in geotechnical engineering, and other emerging geotechnical topics; teaching via various distance delivery modes as required.
2. Serving as chair or member of committees in charge of candidates for advanced degrees.
3. Participating in curriculum development activities including the development of curricular materials and special instructional methods.

4. Supervising independent study activities.
5. Serving as academic advisor to students.
6. Serving on departmental, college, and university committees.
7. Develop an externally funded research program that leads to publication in leading scholarly journals. Research topics could include engineering seismology, energy geotechnics, experimental geotechnics, resilience and sustainability of urban systems and infrastructure, remote sensing using land, airborne or satellite sensors, virtual and augmented reality, digital twin applications in geotechnical engineering, and other emerging geotechnical topics.
8. Conducting and publishing research work in leading scholarly journals as a record of scholarly activity.
9. Rendering service to the professional or lay community which is relevant to the individual's academic specialty.
10. Performing related tasks as assigned.
11. Support the recruitment, retention, and graduation of Native Hawaiian, Pacific Islanders, and other underrepresented populations in Engineering.
12. Create place-based/Hawai'i-based curriculum to impart geotechnical engineering knowledge.
13. Participate in implementing the Native Hawaiian principles from the UH Mānoa Strategic Plan.

**Minimum Qualifications:**

- An earned Ph.D. ("All but dissertation" will be considered; degree must be earned before date of hire) in civil engineering, geology/geophysics, or a closely related field from a university of recognized standing.
- Demonstrated strong commitment to teaching excellence and mentoring at the undergraduate and graduate levels and the ability to teach students from different backgrounds with diverse life experiences and learning styles.
- Demonstrated scholarly achievement, evidenced by a track record of conducting research and publishing scholarly materials.
- Demonstrated ability to teach graduate courses in area of specialty, as well as undergraduate courses in civil engineering.
- Excellent communication skills and ability to engage successfully in a multi-cultural and multi-ethnic environment.

**Desirable Qualifications:**

- Post-disaster reconnaissance experience
- Design office or consulting experience
- Field experience on construction sites
- Expertise in emerging research areas related to geotechnical engineering that leads to establishing an extramurally funded research program
- Licensed as a professional engineer (PE)
- Research emphasis applicable to or experience with Hawai'i and/or the Asian/Pacific region
- Demonstrated commitment to promoting diversity, equity, and inclusion in the workplace.

- Demonstrated experience recruiting, retaining, and graduating Native Hawaiian, Pacific Islander, and/or other underrepresented populations in Engineering.
- Experience creating place-based and/or Hawai'i based curriculum
- Experience implementing Native Hawaiian, Indigenous, and/or place-based principles into curriculum, programming, and work culture.

### **To Apply:**

Applications must be made online at:

<https://www.schooljobs.com/careers/hawaiiedu/jobs/4196697/assistant-professor-geotechnical-engineering?pagetype=jobOpportunitiesJobs>. Review of applications will begin on December 12, 2023. While candidates who complete their applications by December 12, 2023, will receive full consideration, the review process will continue until the position is filled. Applications will continue to be accepted, but those received after the review date will only be considered if the position has not yet been filled. Click on the "Apply" button on the top right corner of the screen to complete an application and attach required documents to the online application. The applicants should submit (1) a cover letter specifying the position and the research area; (2) a statement of their research interests, activities, and plans; (3) a statement on their teaching philosophy, interests, and plan; (4) a statement of contribution to diversity, equity, and inclusion; (5) a curriculum vitae detailing research and teaching accomplishments; (6) graduate transcripts (unofficial copies accepted, however, official transcripts will be required upon hire); (7) 4 copies of relevant publications; and (8) the names, addresses, e-mail, and telephone numbers of up to 4 references.

NOTE: If you have not applied for a position before using NEOGOV, you will need to create an account. The maximum file size to upload/attach is 10MB. If the attachment is larger than 10MB, please split the file and upload it as a supplemental attachment.

### **Inquiries:**

Inquiries regarding this position may be directed to Assistant Prof. Amin Rafiei, the Search Committee Chair ([arafiei@hawaii.edu](mailto:arafiei@hawaii.edu)).

**EEO/AA:** The University of Hawai'i is an equal employment opportunity/affirmative action institution and is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, disability, marital status, sexual orientation, status as a protected veteran, National Guard participation, breastfeeding, and arrest/court record (except as permissible under State law).