

Assistant Professor (Geomatics)  
University of Hawaii at Manoa

Direct Link: <https://www.AcademicKeys.com/r?job=247168>

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Posted Oct. 16, 2024, set to expire Feb. 14, 2025

**Job Title** Assistant Professor (Geomatics)

**Department** College of Engineering  
<http://www.cee.hawaii.edu/>

**Institution** University of Hawaii at Manoa  
Honolulu, Hawaii

**Date Posted** Oct. 16, 2024

**Application** Open until filled  
**Deadline**

**Position Start** Aug. 1, 2025  
**Date**

**Job Categories** Assistant Professor

**Academic Field(s)** Geomatics

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**Job Description**

## Description

**Title:** Assistant Professor (Geomatics)

**Position Number:** \*\*pending position clearance

**Hiring Unit:** College of Engineering - Civil, Environmental and Construction Engineering

**Location:** UH Manoa

**Date Posted:** October 15, 2024

**Closing Date:** Continuous - application review begins January 3, 2025

**Salary Information**



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: Commensurate with qualifications and experience

**Monthly Type:** 9 Month

**Tenure Track:** Tenure

**Full Time/Part Time:** Full Time

**Temporary/Permanent:** Permanent

**Funding:** General Funds

**Other Conditions:** The University of Hawai'i at Manoa (UHM), College of Engineering, Department of Civil, Environmental, and Construction 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, 2025 or as soon as possible thereafter.

The University of Hawai'i at Manoa (UHM) 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. UHM is also a designated Truth, Racial Healing, and Transformation Campus Center. As a Carnegie R1 Doctoral University, UHM emphasizes research and graduate-level education. We take pride in our diverse, multiethnic community, with programs that consistently rank among the most diverse in the nation (<https://manoa.hawaii.edu/campus-life/diversity>).

This position will support research and teaching in the general area of Geomatics. The ideal candidate will have demonstrated expertise in one or more of the following areas: advanced geospatial science (e.g., global navigation satellite systems (GNSS), geodesy, photogrammetry, terrestrial laser scanning, airborne or satellite LiDAR, radar altimetry, GIS, geovisualization, and geospatial analytics) with a civil engineering application(s) (e.g. natural hazards, infrastructure resilience, asset management, smart cities, transportation, hydrology, coastal, construction, and/or property surveying).

The successful candidate will have access to a dedicated surveying room, 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 CECE Department is dedicated to excellence in teaching and research and offers B.S., M.S., and Ph.D. degrees. Our undergraduate program is accredited by ABET, and we currently have approximately 300 undergraduate and 65 graduate students, supported by 21 faculty members. To learn more about the department and the opportunities available, please visit [cee.hawaii.edu](http://cee.hawaii.edu).

**Duties and Responsibilities:**

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1. Teaching undergraduate and graduate courses in geomatics and related civil engineering courses including AutoCAD / Civil 3D, surveying, GIS; developing and teaching advanced courses in one or more of the following areas: advanced surveying, GIS, and emerging geomatics topics.
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 advanced surveying, GIS, and emerging geomatics 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.

**Minimum Qualifications:**

1. An earned PhD in Geomatics, Geospatial, Geodetic or Civil Engineering, Surveying, or closely related field from a college or university of recognized standing ("All but dissertation" will be considered; degree must be completed before the date of hire).
2. Demonstrated strong commitment to teaching excellence and mentoring at the undergraduate and graduate levels and ability to teach students from different backgrounds with diverse life experiences and learning styles.
3. Demonstrated scholarly achievement, evidenced by a track record of conducting research and publishing scholarly materials.
4. Demonstrated ability to teach graduate courses in area of specialty, as well as undergraduate courses in civil engineering.
5. Excellent communication skills and ability to engage successfully in a multi-cultural and multi-ethnic environment.
6. Professionalism in meeting and conferring with others.

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**Desirable Qualifications:**

1. Obtained or is interested in pursuing Professional Engineer and/or Professional Land Surveyor licensure and/or applicable professional certifications, such as Certified Federal Surveyor (CFedS), Certified Photogrammetrist, or Certified Hydrographer. Professional licensure may be required prior to tenure.
2. Design office or consulting experience.
3. Field experience on construction sites.
4. Post-disaster reconnaissance experience.
5. Expertise in an emerging research area related to geomatics engineering.
6. Research emphasis applicable to or experience with Hawai'i and/or the Asian/Pacific region.
7. Demonstrated commitment to promoting diversity, equity, and inclusion in the workplace.

**To Apply:**

Only electronic applications submitted via NEOGOV will be accepted. Review of applications will begin on January 3, 2025, and will continue until the position is filled. Applications received after this date will be considered only if the position remains open.

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 plans related to diversity and inclusion; (4) a statement of contributions to diversity, equity, and inclusion; (5) a curriculum vitae detailing research and teaching accomplishments; (6) graduate transcripts (unofficial copies accepted, but official transcripts will be required upon hire); (7) copies of 3 relevant publications; and (8) the names, addresses, e-mail, and telephone numbers of up to 5 references.

For more information about the CECE Department, please visit our website at [www.cee.hawaii.edu](http://www.cee.hawaii.edu).

**Inquiries:**

Inquiries regarding this position, please contact Prof. Oceana Francis, Search Committee Chair ( [oceanaf@hawaii.edu](mailto:oceanaf@hawaii.edu) ).

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### **EEO/AA Policy**

The University of Hawai'i is an [Equal 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, citizenship, disability, genetic information, marital status, breastfeeding, income assignment for child support, arrest and court record (except as permissible under State law), sexual orientation, domestic or sexual violence victim status, national guard absence, or status as a covered veteran. For more information or inquiries regarding these policies, please refer to the following link: <http://www.hawaii.edu/offices/eoo/eoo-coordinators/>

Employment is contingent on satisfying employment eligibility verification requirements of the Immigration Reform and Control Act of 1986; reference checks of previous employers; and for certain positions, criminal history record checks.

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, annual campus crime statistics for the University of Hawai'i may be viewed at: <https://www.hawaii.edu/titleix/help/campus-security/>, or a paper copy may be obtained upon request from the respective UH Campus Security or Administrative Services Office.

Accommodation Request: The University of Hawai'i complies with the provisions of the Americans with Disabilities Act (ADA). Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the EEO coordinator directly. Determination on requests for reasonable accommodation will be made on a case-by-case basis. For further information, please refer to the following link: <https://www.hawaii.edu/offices/eoo/accommodation-request/>

### **Contact Information**

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

**Contact**      Prof. Phillip Ooi  
College of Engineering  
University of Hawaii at Manoa

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Department of Civil, Environmental and Constructio  
Honolulu, HI 96822

**Phone Number** 8089568512  
**Contact E-mail** ooi@hawaii.edu