

Assistant, Associate or Full Professor of Ocean and Mechanical Engineering:

The Department of Ocean and Mechanical Engineering at the Florida Atlantic University is inviting applications at all professorial levels (tenure-track and tenured) for multiple joint appointments with FAU Harbor Branch and/or with the Institute for Sensing and Embedded Network Systems Engineering (I-SENSE) in the broad areas of intelligent marine systems such as underwater robotics, cooperative control, energy and power, marine sensing elements (nanotechnology and quantum sensing), underwater imaging and communications, machine learning, and ocean autonomous vehicles. Interest in these areas follows from the FAU strategic plan "Race to Excellence" which envisions the creation of Pillars as the strategic focus areas of research excellence (<https://www.fau.edu/research/institutes-pillars/index.php>).

Florida Atlantic University is a state-funded university, established in 1964 and designated under the Carnegie Classification as a high research university. FAU encompasses ten Colleges. The College of Engineering and Computer Science at FAU educates approximately 3,000 undergraduate and 400 graduate students in ocean and mechanical engineering, computer and electrical engineering, computer science, and civil, environmental and geomatics engineering.

The Department of Ocean and Mechanical Engineering has an enrollment of more than 500 undergraduate students and 80 graduate students. Faculty conduct sponsored research in the broad areas of acoustics, marine vehicles, and marine materials. The ocean engineering program at FAU was initiated in 1965 as the first undergraduate ocean engineering program in the country. Today, in addition to the Boca Raton facilities, the program utilizes the SeaTech state-of-the-art marine laboratory facilities and academic spaces designed to support collaboration among faculty and student groups within the department, across university Institutes, and with other organizations. More information about the Department of OME at <http://www.ome.fau.edu/>.

FAU Harbor Branch and the FAU Institute for Sensing and Embedded Network Systems Engineering are pillars of research excellence. FAU Harbor Branch integrates all research at FAU that focuses on study and management of ocean, estuaries and freshwater bodies, This pillar is administered by the Harbor Branch Oceanographic Institute, one of the nation's premier oceanographic centers. It is home to a research community of approximately 200 ocean scientists, staff and students that drive innovation in marine science and engineering, ocean dynamics and modeling, conservation of coral reefs, marine drug discovery, and studies of marine mammals and fisheries. More about FAU Harbor Branch and the institute can found at <http://www.fau.edu/hboi/>.

The FAU Institute for Sensing and Embedded Network Systems Engineering is a multidisciplinary community that conducts research in the areas of sensing, communications and computing with applications in infrastructure systems, health and the environment. More information about the I-SENSE can be found at <http://isense.fau.edu/>.

Applicants must have a doctorate degree in Ocean Engineering, Mechanical Engineering, or a closely related field. Successful candidates at the assistant professor level are expected to establish a strong independent research program while successful candidates at the associate or full professor level are expected to have a strong on-going record of scholar research activity. All candidates are expected to demonstrate commitment to collaboration with the research groups in the Department, and teach effectively at both the undergraduate and graduate level, while promoting a climate that values diversity in all its forms.

Applicants are required to submit all supporting application materials online in PDF format by visiting <https://jobs.fau.edu> . Review of applications will begin ----- and will continue until the position is filled.

Minimum Qualifications:

Applicants must possess an earned doctorate in Mechanical Engineering, Ocean Engineering or a closely related field.

Preferred Qualifications:

Excellent candidates are sought with expertise in the broad technical area of intelligent underwater systems.

Cover letter

CV

Research statement

Names of references