

Hatter Dep. of Marine Technologies, Senior Lecturer (Tenure track)

University of Haifa Position Title:

Position Type: Tenure-track/Tenured faculty

Position Location: University of Haifa

Subject Areas: The broad range of disciplines relevant to marine technologies, including marine dynamics, robotics, control and autonomy, machine learning, data mining, sensor fusion, signal processing, and chemical and physical sensor technologies, with a particular emphasis on theoretical research supported by experiments in marine applications.

Application Deadline: 01.04.2025

Restrictions: Final decisions are subject to resource availability, the competencies of the candidates, and the approval of the dean of the Faculty and the rector of the University.

The Hatter Department of Marine Technologies, Charney School of Marine Sciences Faculty, University of Haifa, invites applications for a tenure track faculty position at the lecturer and senior lecturer levels. The position is expected to start in 2025.

The Hatter Department of Marine Technologies is a young and vibrant academic department focused on high-level research and development of novel technologies and algorithms for advancing marine research and operations. The department's academic staff combines expertise in the various aspects of marine and subsea engineering with understanding and research in oceanographic natural sciences. Distributed between the main campus of the University of Haifa and a shore-side facility in the premises of the Israel Oceanographic and Limnological Research (IOLR) institute, the Department's research facility encompasses research laboratories supported by a team of professional engineers and technicians as well as an underwater vehicles center.

The Department is the only academic center in Israel to offer a Master of Science (MSc) program in Marine Technologies, including designated graduate courses across several engineering disciplines and hands-on sea-going training. It further intends to develop over the next years an undergraduate engineering program, focused on marine expertise. The Department has strong capabilities in knowledge generation and application, exceptional

students, and extensive partnerships with a broad range of public and commercial stakeholders nationally and globally. As evident in the Department's scientific publications, research expenditures, and leadership positions in professional societies, the Department has extraordinary research strength in advanced visual and acoustic signal and image visualization and analysis, machine learning, telecommunications, navigation, robotic control, and robotic and autonomous operations.

We are seeking candidates with expertise across a broad range of disciplines relevant to marine technologies. This includes but is not limited to, hydrodynamics and fluid mechanics, marine propulsion/power systems, subsea materials and structures, robotics and autonomous systems, artificial intelligence/machine learning/vision, ocean instrumentation and sensor technologies, underwater communication systems, underwater acoustics, energy and thermal management of marine environments, and marine/environmental monitoring.

DUTIES AND RESPONSIBILITIES

Successful candidates will be expected to develop and sustain an internationally recognized and externally funded research program with particular emphasis on seagoing research of marine technologies. The successful candidates must share a deep commitment to effective instruction at the graduate level as well as the development of innovative courses and mentoring of students in research, outreach, and professional development. The successful candidates are also expected to contribute to the promotion of the Department through teaching, research, and public engagement.

REQUIRED QUALIFICATIONS

By the time of appointment, the candidates must have earned a Ph.D. in Mechanical, Electrical, Marine, Aerospace, Civil Engineering, Computer Science, Naval Architecture, or related fields; an established record of research and demonstrated potential for excellence in teaching; and a successful track record in winning grants and/or scholarships. Candidates must also demonstrate a commitment to graduate education.

Preferred candidates will have plans and accomplishments showing the relevance of their research to marine technology development; a record of excellence in teaching; the ability to effectively communicate with students in both large and small audiences, and a record of public engagement. International experience in the level of PhD studies, post-doctoral research, or relevant high-level commercial experience, is preferred.

APPOINTMENT TERMS

This is a full-time, 12-month tenure track position. Employment is conditional upon acceptance at the Department, Faculty, and University levels. Candidates are expected to begin work during the 2025/2026 academic year. Salary will be commensurate with qualifications and Israeli academic standards.

TO APPLY

The candidates should prepare an application package including the following sections:

- 1. A one-page cover letter with the applicant's credentials.**
- 2. A (max 5 pages) CV.**
- 3. List of published or accepted publications, patents, grants, and scholarships.**
- 4. A (max 10 pages) research statement including the candidate's research plans for his/her first three years.**
- 5. A (max 5 pages) teaching statement including a description of the courses the applicant can teach at a graduate level.**
- 6. A 2-page list of requested facilities and equipment to establish own lab, as well as requested funding.**
- 7. A list of at least 5 references from different institutes in and outside Israel.**
- 8. Three of the applicant's best journal publications.**

The application package should be sent compressed to:

Prof. Yizhaq Makovsky, Head of the Department

Email: yizhaq@univ.haifa.ac.il