
PROFESSOR (NON-TENURE TRACK POSITION)

November 25, 2020

POSITION : Professor in marine acoustics

SUMMARY OF THE POSITION

The *Institut des sciences de la mer de Rimouski* (ISMER) of the Université du Québec à Rimouski (UQAR), one of the most important academic research institutes in marine sciences in Canada, is seeking a new professor in marine acoustics for a 3-year term.

The successful candidate will develop a research program as part of the Marine Acoustic Research Station project (MARS) recently funded by Transport Canada, the Quebec Ministry of Economy and Innovation and several other partners. This joint research project between ISMER-UQAR and Innovation maritime (IMAR) consists of setting up and operating a world-class underwater acoustic research station in the St. Lawrence Estuary offshore Rimouski in order to document the effect of ships on the sound environment of the St. Lawrence, but also to propose concrete means to reduce ship noise. The St. Lawrence Estuary, recognized for the abundance and diversity of the marine mammals that frequent it, has several favorable characteristics for the establishment of the marine acoustic research station (bathymetry, weak currents, etc.). These characteristics and the configuration of the moorings planned for the station will make it possible to measure the acoustic signature of ships operating on the St. Lawrence according to recognized international standards. Its unique characteristics will allow a world leading research activity on many themes such as the establishment of models on the noise radiated by ships according to their characteristics, as well as the evaluation of the radiated noise measurement standards, their applicability and precision. The measurements carried out with the station could also be used for related research themes such as physical oceanography (acoustic inversion), acoustic monitoring of cetaceans, ambient noise, signal processing applied to acoustic data, etc.

Within ISMER-UQAR, the MARS project (~6 M\$ total budget) will bring together a team of several people, including 2 researchers, research staff and students. The research project will be part of research activities at the Quebec, Canadian and international levels, notably through collaborations with European research teams and projects. The selected candidate will be required to collaborate with Innovation maritime (IMAR) and the various project partners to set up the marine acoustic research station and to determine the acoustic signature of ships from the fleet of our project partners. The successful candidate must also be able to participate in the graduate programs in oceanography by supervising graduate students. The working language is French. Funding for several MSc students, technical assistance and ship time are provided for the project. The MARS project is currently funded until March 31, 2024.

Applications must include a motivation letter, a curriculum vitae including all research and training activities, and the name and contact details of three referees. The review of applications will begin immediately and will continue until the position is filled.

REQUIREMENTS

Degree:	PhD
Field:	Oceanography, physics, engineering, mathematics, biology or a related discipline
Area of specialization:	Marine acoustics
Specific research topics:	Impact of anthropogenic noise on the marine environment, acoustic inversion, acoustic signal processing
Other:	Postdoctoral experience would be an asset

SALARY AND CONDITIONS: According to the collective agreement

All qualified individuals are invited to apply, but priority will be given to Canadian citizens or permanent residents. We subscribe to an equal access program and our community promotes the values of equity, diversity and inclusion, and accommodation measures can be put in place if needed. We strongly encourage women, people with disabilities, members of visible and ethnic minorities, and Aboriginal people to apply.

All applications will be treated confidentially.

LEADERSHIP POSITION PROFESSOR POSITION

Interested candidates are requested to send their application to:

Président de l'Assemblée institutionnelle
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