EMPLOYMENT OFFER

Tenure-Track Faculty Position
in marine geomatics and hydrospatial modeling
(Position n° 22337)

Application period: December 8th, 2025, to January 23rd, 2026

Background Information

Located in a privileged setting in the heart of Quebec City, recognized as a UNESCO World Heritage Site, Laval University (www.ulaval.ca) is a large university with some 47,000 students in all scientific disciplines, renowned for its culture of excellence in teaching and research. This faculty position is in the Department of Geomatics Sciences (www.scg.ulaval.ca), which is part of the Faculty of Forestry, Geography, and Geomatics (www.ffgg.ulaval.ca). The Department is composed of a team of 16 professors and has more than 200 undergraduate students (bachelor's degrees and certificates) and approximately 65 graduate students (master's and doctoral degrees). It offers seven programs of study, including two bachelor's programs that are the only ones in Quebec recognized as providing access to the professions of land surveyor and geomatics engineer (regulated by two separate professional orders). Research activities are organized in an interdisciplinary and intersectoral manner, in line with the major research initiatives of Laval University and the Centre for Research in Geospatial Data and Intelligence (www.crdig.ulaval.ca), which focus in particular on smart cities and communities, marine and river environments, and natural resources and human activities. The Department is also equipped with a Metrology-GNSS Laboratory that is unique in Canada, offering high-tech equipment for spatial positioning and navigation, as well as for digital modeling of the environment (both urbanized and natural).

Description of the position

The Department of Geomatics Sciences at Laval University is seeking applications for a position as professor of marine geomatics and hydrospatial modeling. This position aims to support the development of cutting-edge research on the observation, analysis, and modeling of aquatic environments at different spatial and temporal scales.

The academic activities inherent to this position will directly support the research program of the new GEOMARIS Chair, a joint initiative between Laval University and Sorbonne University (France). It will also be integrated into the Takuvik International Research Laboratory, jointly supervised by the CNRS, Université Laval, and Sorbonne University (http://www.takuvik.ulaval.ca/). The GEOMARIS Chair, which was officially launched at the United Nations Ocean Conference in Nice, France, in June 2025, will focus on geomatics, ecology, and acoustics in marine and coastal environments. The scientific program of this chair aims to address major global ocean and hydrosphere issues, in particular to analyze, monitor, and anticipate the dynamics of aquatic and marine environments in ice-covered seas in order to support ecosystem resilience, sustainable use, and adaptation to climate change. More specifically, the GEOMARIS Chair will focus on the following three scientific areas:

- Axis 1: Hydrospatial observation and modeling of northern aquatic environments.
- Axis 2: Connectivity and spatiotemporal monitoring of coastal and offshore ecosystems.
- Axis 3: Geomatics and oceanography of ice-covered seas.

The candidate's expertise should ideally lie at the intersection of oceanography, engineering, remote sensing, modeling, and environmental sciences, thereby promoting interdisciplinarity. In doing so, the person selected for this position will contribute to the development of collaborative research focusing on national and international scientific priorities (i.e., climate, biodiversity, sustainable management of oceans, and northern and polar ecosystems). In addition, the successful candidate will help consolidate the place of geomatics within the ecosystem of oceanography at Laval University, in particular by working with recognized interdisciplinary research teams (i.e., Québec Ocean; Takuvik; CRAD, etc.).

In summary, the successful candidate will be expected to develop and implement their own research program in line with that of the GEOMARIS Chair, collaborate with research teams, secure funding, and participate in interdisciplinary research initiatives in collaboration with other areas of expertise within the Department, Faculty, and University. They will be required to supervise students at the undergraduate, graduate, and postgraduate levels. In addition, the successful candidate will be required to teach regularly at the undergraduate, graduate, and postgraduate levels. Finally, they will be expected to contribute to the administrative responsibilities of the Department of Geomatics, the Faculty of Forestry, Geography, and Geomatics, and Laval University. The successful candidate may be asked to teach outside their area of expertise, i.e., in other areas of geomatics in which the Department is involved.

Selection criteria

Interested persons must hold a Ph.D. in a relevant discipline. A previous postdoctoral internship in a related field related, or an equivalent practical experience, is highly desirable. Membership in the Ordre des ingénieurs du Québec (or a professional engineering association recognized by Engineers Canada) is a significant asset. Applications will be evaluated according to the candidate's ability to:

- Exercise the four main academic functions: teaching, research and supervision of graduate students, internal participation, external outreach.

- Exhibit leadership in both university-level teaching and research.

- Providing scientific and strategic leadership for the GEOMARIS Chair and stimulating its development.

- Ability for team and collaborative working.

- Have skills to carry out administrative tasks within the university environment (among other things, participation in various committees and commissions), and to manage research project.

- Demonstrate commitment towards the broader professional and scientific communities (e.g. via publications, conferences, participation in peer evaluation, training initiatives, etc.).

The teaching language at Laval University is French; the selected candidate must be able to teach in French or willing to do what is necessary to become proficient in French according to the Appendix B of the current Collective Agreement. Knowledge and competency in English is also a requirement for the position.

Hiring and salary

These are determined as a function of experience in relation to the current Collective Agreement.

Candidacy and Application

- Deadline for application: January 23rd, 2026, at 5:00PM (Québec Time)
- Deadline for starting the position: May 1st, 2026

All interested persons must send the following documents (in PDF format):

- A curriculum vitæ.
- A presentation letter that highlights pertinent experience and explains how the candidate meets the selection criteria (max. 2 pages).
- The names and contact information for three persons who have agreed to provide a reference for the candidate (ie. a letter of recommendation attached to the applicant's file).
- A list of publications and copies of three representative publications of the candidate's scientific production.
- A document outlining the candidate's motivations and vision for teaching, research, and the scientific and strategic direction of the GEOMARIS Chair (max. 3 pages).

These documents must be forwarded by email to the following address direction-geomatique@scg.ulaval.ca, to the attention of:

> Sylvie Daniel (Department Head)
> Département des sciences géomatiques
> Université Laval
> Pavillon Louis-Jacques-Casault, bureau 1315
> 1055, avenue du Séminaire
> Québec (Québec), Canada, G1V 0A6
> direction-geomatique@scg.ulaval.ca

Valuing equity, diversity and excellence, Université Laval is strongly committed to provide an inclusive work and living environments for all its employees. For Université Laval, diversity is a source of wealth, and we encourage qualified individuals of all origins, sexes, sexual orientations, gender identities or expressions, as well as persons with disabilities, to apply.

Université Laval also subscribes to an equal access to employment program for women, members of visible or ethnic minorities, Aboriginal persons, and persons with disabilities. Adaptation of the selection tools can be offered to persons with disabilities according to their needs and in complete confidentiality. In accordance with Canadian immigration requirements, priority will be given to qualified individuals with Canadian citizenship or permanent residency.