

**PROFESSOR IN
FOREST OPERATIONS AND WOOD SUPPLY**

**DEPARTMENT OF WOOD AND FOREST SCIENCES
FACULTY OF FORESTRY, GEOGRAPHY AND GEOMATICS
UNIVERSITÉ LAVAL**

A privileged living environment in the heart of Quebec City, Université Laval is a major university open to the world and recognized for its culture of excellence in teaching and research. Thanks to the Department of Wood and Forest Sciences of the Faculty of Forestry, Geography and Geomatics, Université Laval is the only university in Quebec to offer undergraduate programs in forestry and wood engineering leading to the Order of Forest Engineers of Quebec or to the Order of Engineers of Quebec. The Department of Wood and Forest Sciences is also responsible for the multi-faculty integrated bachelor's degree in natural and managed environments. It has 35 full-time professors or lecturers, five Research Chairs, three Teaching Leadership Chairs, a research consortium, two research centers and over 500 undergraduate and graduate students. Collaborations with the departments of geography and geomatics, as well as with other faculties at the university, offer interesting opportunities for multidisciplinary research.

Job Description

Following the creation of the NSERC Industrial Research Chair for Smart Supply Systems and in accordance with its development plan, the Department of Wood and Forest Sciences wishes to increase its teaching and research capacity in the areas of forest operations and forest supply. A tenure-track position will therefore be offered to an individual with demonstrated expertise in forest operations. This person will work closely with the Industrial Chair and other forest operations faculty members.

The successful candidate will be expected to 1) support the cooperative bachelor's degree program in forest operations and the bachelor's degree program in forest management and environment by teaching at the undergraduate level, as well as at the graduate level, and 2) play an active role in the research program of the Chair.

Specifically, teaching and research activities will focus on areas applied to public and private forests, in order of importance:

1. Management of forest operations, including non-commercial, commercial, roading and transportation activities;
2. Modeling of supply processes and systems;
3. Design and analysis of forest operation plans following allowable cut calculations or natural disturbances;
4. Operational research (OR) applied to forest resources;
5. Work methods and ergonomics studies in forestry.

Responsibilities include:

1. Forest operations teaching at the undergraduate and graduate levels;
2. Secure research funding from external granting agencies and partners to support their research;
3. Conduct research and supervise graduate students on topics related to wood supply;
4. Participate in the coordination/monitoring and development of internships for the Bachelor of Science in Forest Operations;

5. The development of practical work in forest operations at Forêt Montmorency;
6. The development of new teaching methods or materials;
7. Participate in departmental, faculty, university and multi-party committees (with the private and public sectors);
8. Close collaboration with faculty in the Department of Geomatics;
9. Research development in forestry operations in collaboration with the First Nations Leadership Chair and at Forêt Montmorency;
10. Collaboration with several existing research groups at Université Laval: FORAC, CRDIG, CEF, CRMR.

Selection Criteria

1. Possess a bachelor's degree in forestry or a related discipline and a doctoral degree from a recognized university, or be in the process of obtaining one;
2. Possess specific skills in at least three of the listed fields;
3. Have practical experience in issues related to forest operations;
4. Demonstrate aptitude in academic teaching and knowledge mobilization;
5. Demonstrate an ability to establish and maintain partnerships;
6. Be able to obtain the necessary funding for their research from public or private granting agencies;
7. Demonstrate the ability to integrate into multidisciplinary teams;
8. Present a vision for the position in terms of academic education and research and propose concrete actions to achieve it;
9. Be able to teach in French within one year;
10. Be a member of the Ordre des ingénieurs forestiers du Québec or be eligible to become a member and commit to do so within two years.

Salary and conditions: according to the collective bargaining agreement.

Expected start date: January 3rd, 2022

Promoting diversity, the University invites all qualified individuals to apply, particularly women, visible and ethnic minorities, Indigenous people and persons with disabilities. Priority will be given to those with Canadian citizenship or permanent resident status.

Interested candidates are requested to send by e-mail a letter of interest, a one to two-page document describing their vision and philosophy pertaining to undergraduate and graduate university education and a curriculum vitae, including a list of publications and the names of three references, no later than July 30th, 2021 at 17:00 to:

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