

Manager, Building Systems

Vancouver, BC

About FPInnovations

FPInnovations is among the world's largest private, non-profit forest research centres. The organization helps the Canadian forest industry to develop ground-breaking solutions based on the unique attributes of Canada's forest resources, favouring a sustainable development approach and taking full advantage of the industry's considerable scientific, technological and commercial capital.

The role of the Sustainable Construction Innovation Centers of Excellence (ICE) is to carry out scientific R&D and innovation projects to meet the industry's short- and long-term objectives. The work of each of the ICEs is focused on the development and implementation of technologies to improve the overall competitiveness of the industry on all markets. The Building Systems group develops knowledge about the performance of conventional and advanced wood-based building components and systems. Working with other research institutes and the design and construction communities, the Building Systems group carries out multi-disciplinary research on safety, comfort, durability and sustainability to facilitate market and regulatory acceptance of wood products and systems.

Description

Reporting to the Senior Director of ICE for Sustainable Construction, the Building Systems Manager will be responsible for a complete portfolio of projects and manage a team of approximately 10 employees comprising of researchers and technologists. Also, the incumbent will work with other groups within FPInnovations to carry out and deliver funded and contracted research projects as researcher in the team. Work encompasses a variety of subject areas, including but not limited to structural engineering, lumber design values and mechanical properties of wood. As senior scientist, the manager will also act as Project leader for specific projects.

The Manager will collaborate on the various research programs and will be called upon to contribute with all the managers of FPInnovations' other Centers of Excellence to ensure that research projects present optimal value proposals and provide our members and partners with the highest value research products.

The successful candidate will be required to have strong people and project management skills to build close-knit, effective teams, and will develop an operational culture that includes innovation, collaboration, safety, financial responsibility, efficient use of resources and timely completion of research projects and contracts. Responsibilities in people management will include goal-setting, performance evaluations, talent management, workforce planning, scheduling, etc.

Responsibilities

Manager role:

- Provide guidance, mentoring and employee development opportunities;
- Manage team performance through goal-setting, regular feedback, performance evaluations and talent management;
- Promote and enforce health and safety practices in a responsible and proactive manner and ensure compliance with all relevant safety standards;
- Work closely with all senior directors and sector leaders to develop and implement research programs that are consistent with industry and partner priorities;
- Contribute to the organization's business development activities as a member of FPInnovations' team of professionals. Develop projects and contracts;
- Manage resources to ensure effective program implementation within an agile innovation culture;
- Develop and effectively manage program cost budgets;
- Support Project Leaders to ensure project execution and delivery on time, on budget and to client expectations;

Researcher/Project leader Role:

- Conduct numerical analyses, including applying judgment in the selection/development of modeling assumptions and input parameters;
- Provide scientific data to support changes in codes and standards and market access strategies of the timber industry;
- Transfer knowledge through presentations directed at the scientific community, industry, or government. Identify and take the additional steps to transfer or implement the research results to maximize the benefits of the work for clients;
- Analyze and interpret results from analytical and experimental studies;
- Write, review and edit presentations, technical reports and journal papers;

- Input to the planning of projects, design of experiments, analysis of results and dissemination of information;
- Carry out and deliver studies, reviews, tests, measurements, and analyses by applying fundamentals of wood engineering and wood sciences ;
- Supervise, coach and train technical staff during the execution of projects or contracts.

Qualifications

- Minimum 10 years of experience in team supervision Master's degree, preferable a PhD, civil engineering, wood science
- Be eligible for or have a professional engineering registration in British Columbia;
- Experience working with governments, industry, trade associations as well as architects, engineers and contractors is considered an asset;
- Knowledge of regulatory process related to building construction in North America is considered an asset;
- Knowledge of engineering law such as liability, contracts as well as structural reliability analysis is considered a considerable asset;
- Good problem-solving, negotiation and consensus-building skills;
- Ability to motivate and inspire a team;
- Ability to lead high-level work teams and act as a mentor;
- Strong business and client orientation;
- Strong project management skills. PMI certification would be a considerable asset
- Excellent communication skills in English (oral and written); French an asset
- Available for business travelling.

Please submit your resume to: Recruitment_Recrutement@fpinnovations.ca

IMPORTANT: Please indicate reference no 568 on the subject line.