

Process Diagnostic Scientist

Quebec City, QC

About FPInnovations

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

Description

Reporting to the Manager, Advanced Wood Manufacturing within the Smart Manufacturing Innovative Centre of Excellence (ICE), the Process Diagnostics Scientist will work closely with colleagues specializing in industry process diagnostics on projects related to the wood manufacturing program. Over time, they will become familiar with client's businesses, understand their needs, and provide high quality solutions through project-based activities designed to ensure clients' success and competitiveness. They will collaborate with team members to provide high standard, relevant, and reliable results through reports, technical notes, articles, industry workshops, webinars, and through any other form of communication designed to meet clients' expectations.

Responsibilities

The scientist will develop capacity as a resource for process diagnostics as well as learn about the lumber manufacturing sector. They will contribute to projects that are relevant to industry priorities, designed to clearly identify technical outcomes, deliver the right solutions, stimulate technological advances, and maximize the impact on members' businesses. At this level, it is expected that the scientist will:

- Develop timely and cost-effective solutions for lumber manufacturing processes and production challenges faced by FPInnovations' members and partners
- Help deliver industry contracts
- Keep abreast with current and significant scientific research and technological advances in lumber manufacturing processes and related areas; explore strategies to implement innovative approaches to ensure continuing growth of the sector
- Grow network of contacts and relationships with members
- Help create contract opportunities diagnosing lumber manufacturing industry processes
- Assist with research project planning and implementation (proposal development, research plan, laboratory activities, potential mentorship of technologists, data analysis, progress reports, final reports, and results presentation to industry partners and project funders)
- Work with team members to translate scientific findings into practical solutions that can be rapidly and economically implemented by the industry
- Become well versed in the research program and contribute to development of project ideas and proposals
- Ensure Health & Safety guidelines are strictly observed
- Communicate project and/or contract results to senior technical advisors for peer review so they can be clearly understood and implemented, highlighting benefits and potential value to members and partners
- Prepare and write reports that require minimal revision by supervisor and other project managers

Qualifications

- Bachelor's degree in wood science, engineering, or other related field and 1 to 5 years' industry experience or an equivalent combination of technical education and experience
- Strong verbal and written communication skills in French and English (primary working language is French)
- Demonstrated capacity for networking and strong customer orientation
- Understanding of research planning and implementation processes
- Understand the lumber manufacturing working environment
- Knowledge of current technical challenges and issues related to wood manufacturing and industry processes considered an asset
- Strong sense of curiosity about how things work and how to make improvements
- Strong background in process diagnostics (preferably related to wood manufacturing)
- Knowledge of wood and material properties a definite asset
- Aptitude for writing high quality technical reports

Please submit your resume to:

Hr@fpinnovations.ca indicating position #546 in the subject line.