

Wood Drying Scientist Quebec City, QC

About FPInnovations

FPInnovations is among the world's largest private, non-profit research centers 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 ICE, the Scientist will work closely with senior scientists specializing in wood drying on projects related to the research program and industry contracts. Over time, the incumbent will become familiar with clients' businesses, understand their needs and provide high quality solutions through project-related activities designed to ensure clients' success and competitiveness. In addition, the scientist 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 client's expectations.

Responsibilities

The scientist will develop their scientific drying capacity and learn about the lumber manufacturing sector. The scientist 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 member's business. At this level, it is expected that the Scientist will:

- Become well-versed in the research program and contribute to development of project ideas and proposals;
- Assist in carrying out industry contract activities;
- Grow network of industry contacts and relationships with members;
- Help develop research projects in the areas of wood physics, wood drying modelling and applied lumber drying;
- Assist with research project planning and implementation (proposal development, research plan, laboratory activities, potential supervision of technologists, data analysis, progress reports, final reports and results presentation to industry partners and project funders);
- Keep abreast with current and significant scientific research and technological advances in drying and related areas and explore strategies to implement innovative approaches to ensure continuing growth of the sector;

- Help develop timely and cost effective solutions to industrial kiln drying related challenges faced by FPInnovations members and partners;
- Work with team members to translate scientific findings into practical solutions that can be rapidly and economically implemented by the industry;
- Ensure Health & Safety guidelines are strictly observed during laboratory activities and field work;
- Communicate project and/or contract results to senior technical advisors for peer review so that 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

- Master's in engineering and/or wood science or an equivalent combination of education and experience;
- Bilingual (French and English). Primary working language is French;
- Strong verbal and written communication skills;
- Knowledge of research planning and implementation processes;
- Knowledge of current technical challenges and issues related to industrial lumber drying considered an asset;
- Strong background in wood physics and wood drying technology;
- Aptitude for writing high quality technical reports.

Please submit your resume to Recruitment_recrutement@fpinnovations.ca indicating reference #544 in the subject line