

TECHNICIAN, Corrosion and thermochemical processes

Vancouver, BC

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.

Our Process Engineering Research Program has the mandate to help existing pulp and paper mills optimize their process operations, as well as assist them in developing and integrating new technologies to produce biochemicals and bioenergy. We maintain competencies in sensors and control, thermochemical processes, combustion engineering, process integration, corrosion and materials selection.

Description

Under the supervision of a Manager, the successful candidate will assist in development and implementation of technologies and products for our member mills. He will also collaborate with the other R&D groups at FPInnovations to provide technical support towards the development and end-use applications of novel technologies.

The successful candidate will:

- Work in laboratory and pilot plant settings to develop and simulate process operations;
- Develop, build and maintain novel instruments and custom-made equipment to measure and monitor process operations
- Travel to mills and other plants to install equipment, assist in making measurements and collect samples and data from processes;
- Coordinate his own activities under limited supervision and work autonomously;
- Be able to perform computing tasks, analyzing data and producing reports/memo on the results
- Be experienced with the use and preparation of laboratory chemicals and reagents, as well as various methods of chemical analyses
- Follow and respect laboratory and pilot plant safety procedure and regulations;
- Help to draw up project plans and ensure successful completion.

Qualifications

- Accredited technical diploma or CEGEP/bachelor's degree in science, chemistry, materials engineering, mechanical, or related discipline;
- Laboratory and pilot plant working experience would be an asset;
- Demonstrated capability to work safely in an industrial environment;
- Demonstrated interest to operate and repair industrial mechanical systems;
- Good laboratory practices and a solid understanding of the scientific methods;
- Knowledge in the use of computer programs such as Matlab for reporting, data compilation and analysis; experience in programming with C++, Visual Basic and LabVIEW programming is desirable;
- General knowledge of organic and inorganic chemistry;
- Prior experience with analyzing/testing biomass samples is an asset;
- Knowledge in instrumentation, data collection, and automation;
- Demonstrated problem solving and analytical skills;
- Capability to work in hot, noisy, dusty process environments when needed;
- Flexibility and ability to work in a multidisciplinary research team environment;
- Good written and verbal communication skills with high standards for quality in English. Knowledge of French would be an asset.
- Available to travel: having a class 5 driving license is required.

Note: The masculine gender includes the feminine and is used for the sole purpose of lightening the text.

Please submit your resume to: Recruitment_recrutement@fpinnovations.ca

Important: please indicate the reference number 452 in the subject line.