

Fiber Morphology Scientist

Smart Manufacturing

Vancouver, BC

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, Fiber Production within the Smart Manufacturing Innovative Centre of Excellence (ICE), the Fiber Morphology Scientist will work closely with colleagues specializing in wood pulp fiber morphology on projects related to market pulp applications. Over time, the scientist 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 deliver high quality, relevant, and reliable results through reports, technical notes, articles, industry workshops, webinars, and other communication formats designed to meet clients' expectations.

Responsibilities

The scientist will develop capacity as a resource for wood pulp and other natural fibers as well as learn about and help develop applications for the market pulp sector. These applications include a wide span of end uses from facial tissues to coffee filters to diapers and other absorbent products. The scientist will contribute to projects that are relevant to industry priorities, designed to clearly identify technical outcomes, deliver applicable solutions, and maximize the impact on members' businesses.

The Fiber Morphology Scientist is expected to:

- Gain an excellent understanding of the unique physical attributes of Canadian and international wood and pulp fiber and their impact on product performance
- Become well versed in the research program and contribute to development of project ideas and proposals related to applications for wood pulp fiber
- Help deliver industry and member contracts and projects
- Grow network of contacts and relationships with members
- 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)
- Keep abreast with current and significant scientific research and technological advances in wood pulp fiber properties and other natural fibers; explore strategies to implement innovative applications to ensure continuing growth of the sector
- Help develop timely and cost-effective solutions for market pulp applications and quality/production 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

- 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

- Graduate degree in mechanical engineering, other related field or an equivalent combination of education and experience;
- Knowledge of wood fiber, pulp and paper physical properties;
- Strong verbal and written communication skills in English;
- Demonstrated capacity for networking and strong customer orientation;
- Ability to plan research projects, design and perform experiments using scientific methodologies;
- Familiar with industrial Kraft and/or mechanical pulp manufacturing processes;
- Knowledge of current technical, processing and product challenges facing Market Pulp producers an asset;
- Aptitude for writing high quality technical reports;
- Curious by nature, able to take direction, demonstrated team player.

IMPORTANT: Enter the reference number 598 in the subject line of your email.

Send your CV to: recruitment_recrutement@fpinnovations.ca