

ADVANCED DECISION MAKING SCIENTIST Vancouver, B.C.

About FPInnovations

FPInnovations (FPI) 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, favouring a sustainable development approach and taking full advantage of the industry's considerable scientific, technological and commercial capital.

Description

At FPI we have an amazing opportunity to facilitate the transformation of the forest sector towards Industry 4.0, including centralized & decentralized business decisions systems along the value chain.

The Advanced Decision Making (ADM) Scientist will be responsible for delivering national research projects and industrial contracts aimed at developing and implementing practical decision support tools, including: optimization and simulation models, operations research and industrial engineering tools for supply chain planning and analysis. Proven track record of working with industrial clients is a strong asset.

Responsibilities:

- Lead/participate in the development of advanced decision making tools, including logistics, operations research models and other industrial engineering tools
- Know their clients, potential clients, and those who influence these clients with in-depth knowledge of their activities and be able to foresee their long-term expectations and propose solutions
- Demonstrate leadership in responding to current clients' needs
- Identify innovations affecting the forest products industry, their commercial use and the access to markets
- Lead/manage complex and large-scale projects
- Develop proposals and secure additional revenue
- Supervise, guide, and lead technical staff
- Present highly complex analyses effectively in practical terms to industrial clients
- Collect on-site forest and mill data
- Provide timely, relevant, coherent results (reports, data analyses, etc.) designed to meet the client's specific needs, and tailored to specific audiences
- Support other research areas related to the forest supply chain and wood products processing

- Transfer technology and knowledge through reports, handbooks, workshops, and presentations to members, clients and general conferences

Qualifications:

- Great at solving problems, debugging, troubleshooting, designing and implementing solutions to complex technical issues
- Strong technical and analytical abilities, a knack for driving impact and growth
- Training and modeling experience with logistics, optimization, discrete event simulation, industrial engineering tools
- Demonstrated analytical skills
- Familiarity with the Canadian sawmilling and forest products industry, including forest and sawmill operations, log allocation analysis, productivity and supply/mill flow
- Good work planning, organization and project management skills
- Proficiency in the scientific process and aptitude for writing high-quality technical reports
- Proven track record of industrial client and value focus is essential
- Independent, self-starter with team-working skills
- Able to adapt to constantly changing demands and handle complex interactions
- Availability to travel in province and across Canada
- Master's degree or PhD in Forestry, Mechanical Engineering, Wood Processing, Industrial Engineering or a related field, plus seven years of experience (preferably in the forest products industry), or an equivalent combination of education and experience

Please submit your resume to:

Recruitment_recrutement@fpinnovations.ca

IMPORTANT: please indicate the reference #326 in the subject line.