ADVANCED DECISION MAKING SCIENTIST
Quebec City or Pointe-Claire, 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
At FPI we have an amazing opportunity to transform the forest sector towards Industry 4.0, including centralized and 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 decision support tools, including logistics, optimization, simulation, manufacturing process modeling, operations research and industrial engineering tools for processing, supply and value chain analysis. The ADM Scientist will assist with developing, adapting and implementing innovative simulation and modeling solutions, across the forest value chain, relevant to wood manufacturing and forest-to-mill decisions. The ADM Scientist will also conduct field experiments at various mill and forest sites, validate model prototypes and assist in technology transfer; consequently, will be closely collaborating with staff throughout FPInnovations as well as with universities across Canada. The successful candidate will have a strong client and value focus, and will be able to work efficiently in team. Proven track record of working with industrial clients is highly appreciated.

Responsibilities:
The ADM Scientist's responsibilities will consist of the following, among others, to:

- Participate in the development of advanced decision making tools, including logistics, operations research models and other industrial engineering tools
- Assist with proposal development and securing additional revenues
- Present highly complex analyses effectively to research teams as well as to industrial clients, translating them into insights
- Collect on-site forest and mill data and develop logistics, optimization and simulation models
- Provide timely, relevant, coherent results (reports, data analyses, etc.) designed to meet the client's specific needs
- Demonstrate financial responsibility in carrying out your own projects, while participating in others’ projects as well
- Support other research areas related to the forest supply chain and wood products processing
- Respond to FPI members’ and employees’ technical inquiries
- Transfer technology and knowledge related to your projects through reports, handbooks, and workshops, presentations to members, clients and general conferences
- Show willingness to perform a variety of tasks and support the program to achieve its objectives
- Play a key role in developing new ideas, processes and areas of research, and continually search for creative, innovative and integrated ideas

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 flow simulation, industrial engineering tools
- Demonstrated problem-solving and 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
- Bilingualism (French and English), both verbal and written communication skills
- Proficiency in the research planning process and an aptitude for writing high-quality technical reports
- Strong client and value focus is essential
- Independent, self-starter with equal teamwork skills
- Able to adapt to constantly changing demands and handle complex interactions and variables
- Availability to travel
- Master’s degree or PhD in Forestry, Mechanical Engineering, Wood Processing, Industrial Engineering or a related field is preferred and experience in the wood products industry is preferable, or an equivalent combination of education and experience

Please submit your resume to:
Recruitment_recrutement@fpinnovations.ca

IMPORTANT: please indicate the reference #160 in the subject line.