

# **JOB POSTING**

## **Researcher – Transport**

### **Location: Pointe-Claire, Feric**

FPIinnovations is the world's largest private forest research institute, with the goal of strengthening the Canadian forest sector's global competitiveness through research, knowledge transfer and implementation.

FPIinnovations has extended its activities to road transportation. PIT (Project Innovation Transport) now offers fleets high-level research services in transportation and energy efficiency, technology transfer activities and implementation support. The Canadian transportation industry faces new challenges and opportunities with today's fuel cost variations, smaller profit margins and human resources issues. FPIinnovations' PIT program leads in-depth research and develops implementation programs that lead to solutions that improve transportation efficiency, safety, productivity and energy efficiency.

#### **DESCRIPTION**

FPIinnovations is seeking a transportation researcher for its Feric division. The Feric division is responsible for evaluating and developing improvements to harvesting, transportation, silvicultural operations, as well as to operations, equipment and wildland fire systems.

The candidate will have to work in close collaboration with other researchers in the team, trailer manufacturers and truck drivers, particularly for the following projects:

- Improved equipment design by using new lightweight material to maximize transportation productivity
- Study of heavy vehicle safety
- Study of heavy vehicle dynamics and stability
- Projects on specification and optimized design of heavy vehicles

The successful candidate is autonomous and able to work with a multidisciplinary team. The candidate must be available to travel throughout Canada.

#### **RESPONSABILITIES**

- Contribute to overall transportation projects
- In charge of the heavy vehicle design aspect
- Develop research plans and implement them
- Analyze research results in order to resolve problems that the candidate will receive
- Project management

## **QUALIFICATIONS**

- University diploma in engineering or in a related field
- Bilingual (spoken and written)
- Experience in design, an asset
- Knowledge of materials
- Experience in heavy vehicle transportation, an asset
- Ability to work effectively in a team
- Ability for problem solving
- Skills in oral communication, report writing and project management
- Efficiency with Microsoft Office
- Has a valid Canadian driver's license