# Scientist | Wildfire Operations
## Flexible - Edmonton, Alberta preferred

## 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.

## Wildfire Operations Program

FPInnovations' Wildfire Operations Program provides practical solutions in the areas of fire behavior, community protection, aviation, equipment, detection and safety to support wildfire agencies, practitioners and firefighters across Canada. Our activities are funded through the support of government agencies, industry partners, and various other national and international affiliates.

Additional information about the program can be found at: http://wildfire.fpinnovations.ca/

## Position Description

As part of the Wildfire Operations team scientists conduct operational research, provide technical advice, and transfer knowledge to the wildfire community. Under the supervision of the Manager, scientists develop and lead research projects, collect data and analyses results, and reports the results to the programs advisory committee and various wildfire practitioners. Scientists are required to work independently and in a collaborative environment.

## Key Responsibilities
- Support the Wildfire Operations Manager by developing and leading research projects as assigned (activities include but are not limited to; establishing project plans and budgets, establishing and conducting robust experimental trials, collecting and analysing field data, field supervision, report writing and dissemination of results);
- Independently liaise with wildfire agency staff, wildfire practitioners, equipment manufacturers and suppliers, industry partners, and firefighters;
- Collaborate with and support fellow scientists in the collection and analysis of field data;
- Develop and deliver the services that the program provides in the area of equipment evaluation and innovation;

- Manage the programs research equipment and look for innovation opportunities to improve deployment and data collection efficiency;
- Maintain safety certifications and adhere to all FPInnovations safety procedures;
- Travel and perform field work throughout Canada and possibly internationally;
- Support other FPInnovations research programs as required.

## Qualifications

- A degree, Master's, or PhD in forestry, wildfire science, mechanical engineering and/or a related field and a minimum of 3 years of practical experience is preferred. A combination of education and relevant experience will be considered;
- Self-motivated and driven; works independently and is effective as part of a team;
- Driven by solving problems, debugging, troubleshooting, designing and implementing solutions to complex technical issues;
- Strong mechanical, technical and analytical skills and the ability to use these skills to drive client impact and program growth;
- Excellent communication and presentation skills – skilled at taking complex information and presenting the results in a meaningful way to wildfire practitioners (demonstration required);
- Experience in wildfire and working on wildfires is an asset;
- Experience with Microsoft Office and GIS software is required.

**Please submit your resume to:**

Recruitment_recrutement@fpinnovations.ca

**IMPORTANT: please indicate the reference number 313 in the subject line.**