

WEB CONFERENCE

FOREST OPERATIONS PROGRAM 2018-2019

Thursday : 1-2 PM, Quebec Time;
 2-3 PM, Atlantic Time
 10-11 AM, Pacific Time

Applying Traffic Engineering Tools to Resource Road Safety

Date: November 22th 2018

With: Matt Kurowski, Researcher, Roads and Infrastructure, FPIinnovations



This webinar will discuss the challenges involved with developing a method to quantify the safe capacity of traffic on busy resource roads. Standard traffic engineering methods used on paved roads are not applicable, since they rely upon a large crash database that has no information related to resource roads. To get around this limitation, we developed an approach that collects field data so that it is suitable for calibrating a traffic simulation. Once the model can replicate field data, it can be used to test how alternative traffic or road scenarios affect traffic metrics relevant to safety. For example, on radio-controlled roads, increasing the traffic volume will lead to increased instances of pullout overcrowding. While the field work and the calibration process take significant effort, the result can be a proactive safety tool. Furthermore, the simulation could be applied to productivity studies, while the field data can provide useful insights into resource road traffic in general. This year we are finishing two case studies located in British Columbia.

For more information:

Contact the following individuals, based on your region:

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