



Faculté des sciences et de génie



## Two Postdoc Positions Available

### Smart and Sustainable Transportation Lab (SSTL), Laval University (Université Laval)

The Smart and Sustainable Transportation Lab (SSTL) at Laval University (ULaval) has two Postdoc positions opening. The position involves research in Transportation Network Analysis, Agent-based Simulation, the Interaction of AI and decision-making theories, Transportation and Climate Change, and data science. Candidates should have a background in Transportation Engineering, Computer Science, Industrial Engineering, or a relevant field. The desired qualification is the demonstration of skills and experience in Optimization Modelling, Deep Learning, Econometric Model, and Programming (Python, Java, etc.). They should be able to work independently and are expected to collaborate with team members of the lab. If you are interested, please send your latest C.V., Research Statement, and 2-3 representative research articles in a single email to the following address: [transport@gmc.ulaval.ca](mailto:transport@gmc.ulaval.ca). Clearly indicate in the Subject of the email with “Prospective Postdoc\_SSTL\_Name”.

#### 1. Projects information

The two open projects are as follows:

Project 1: Assessing Intervention effectiveness for sustainable mobility systems to reduce GHG emissions

Project 2: Data-driven transportation models for assessing the effects of climate change events

**Desired Enrollment Time: As soon as possible until all positions are filled**

#### 2. Responsibilities

Work at the campus of Université Laval in Quebec City.

Conducts the research activities for the transportation project.

Collaborate with the graduate students and help with the operation of the lab team.

#### 3. Social benefits

The postdoc as an employee at Université Laval enjoys the social benefits, including group insurance, pensions, paid leaves, etc. For more details, please visit the official website of Université Laval.

#### About Prof. Bobin Wang and Smart and Sustainable Transportation Lab

Prof. Bobin Wang is the leader of the Smart and Sustainable Transportation Lab (SSTL) of Université Laval. She is an expert in Transportation and Climate Change, Mobility as a Service (MaaS), Discrete Choice Modeling, Machine Learning Methods, and Data Science. Her research interests focus on the development of efficient, intelligent, and sustainable multimodal transport systems in the context of Industry 4.0. She is the Principal Investigator (PI) of national and provincial projects in Canada with financial support from NSERC and FRQNT. As an emerging researcher, Dr. Wang is a member of CIRRELT, CIRODD, IVADO, IID, FORAC, etc.

Web: <https://www.fsg.ulaval.ca/departements/professeurs/bobin-wang-1008>