



JOB POSTING – POSTDOCTORAL FELLOW

Areas of Research: Transportation infrastructure, life cycle assessment

Overview of the position:

Applications are invited for a postdoctoral position in transportation infrastructure life cycle assessment (LCA).

The objective of this study is to (1) establish initial baselines for the GHG impacts of different types of transit infrastructure (e.g., underground urban rail, intercity rail, bus rapid transit) and (2) develop the foundation for a planning tools to assess the GHG impact of prospective transit infrastructure projects. This goal of this work is to inform future transit infrastructure project evaluation frameworks and facilitate prioritization of investments to maximize environmental outcomes.

One postdoctoral fellow with a research and/or industry background working in the environmental impacts of transport infrastructure will be hired. The postdoctoral fellow will be a lead contributor to peer reviewed publications, technical reports, conference proceedings and in-depth interactions with research partners.

Description of duties:

The candidates will contribute to:

- Conducting an extensive literature review on the state of the art in transport LCA
- Assessing the environmental impacts of case study projects
- Developing a prospective evaluation framework for assessing the environmental implications of proposed projects

Salary: \$57,000/ year + benefits

Please note that should the minimum rates stipulated in the collective agreement be higher than rates stated in this posting, the minimum rates stated in the collective agreement shall prevail.

Required qualifications:

- PhD degree in engineering, or related field awarded within the past 5 years;
- Extensive knowledge of transportation infrastructure
- Demonstrated experience with issues of sustainability and GHG emissions
- Experience managing large datasets containing confidential data;
- Experience with design/construction documents and software is a plus
- Excellent communication skills in English;
- Desire to engage in applied research with near-term applications

- Demonstrated ability to work independently and as part of a team and a drive to create their own novel research direction.

Application instructions

All individuals interested in this position must submit a single electronic file consisting of a cover letter, detailed CV, a one page statement of research interests, and the names and addresses of three references to Prof. Shoshanna Saxe (s.saxe@utoronto.ca) by the closing date. Please use subject line **Application for Transport LCA postdoctoral fellowship**.

Closing date: April 30th 2018. The search will continue until the position is filled.

Supervisors: Prof. Shoshanna Saxe

Expected start date: Immediately

Term: 1 year

FTE: 1

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

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The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.