iCity Postdoctoral Fellow in Integration Platform Development

Job Summary

The focus of this Post Doctoral position is to participate in a major new research initiative at the University of Toronto Transportation Research Institute (UTTRI), entitled iCity. iCity is a virtual lab for urban design that will develop and apply advanced data, analysis and visualization capabilities to find innovative ways to improve urban transportation system performance and design efficient, sustainable cities for the well-being of individuals and society. The Post Doctoral fellow in Integration Platform Development will play a leading role in several research projects within the iCity initiative in topic areas such as software middleware platform development, web services, intelligent transportation systems, complete streets, urban parking, transit management, and urban transportation economics and land use/transportation modelling. The primary responsibilities of the Post Doctoral Fellow will be to:

a) Collaborate with a team of professors, post-doctoral fellows, and graduate student researchers at the Univ. of Toronto, Univ. of Waterloo and Ontario College of Art & Design.
b) Provide day-to-day management of several research projects, in coordination with Prof. Eric Miller (iCity Director), Prof. Baher Abdulhai (Urban Informatics theme co-leader) and other professors that are leading the individual projects.
c) Participate in the supervision of graduate students.
d) Produce publishable research outcomes.
e) Participate in teaching/training and research dissemination.

The appointment could begin as early as January1, 2015, but this date could be postponed depending on the situation of the candidate. The terms of the appointment are for one year with the option to renew for a second year.

Qualifications:

Requirements include a Ph.D. in civil engineering, computer science or computer engineering, knowledge of transportation engineering and ITS, strong database knowledge and representation skills, strong software system engineering skills, an interest in transportation systems analysis and design, data collection and project management; excellent oral and written communication skills in English; and a strong publication record.

Preferred qualifications include experience in software development, data collection, data management, transportation modelling skills, visualization and project management experience. Direct research experience in software systems engineering, transportation engineering and intelligent transportation systems is an asset.

How to Apply:

Candidates are requested to provide by email a cover letter, a detailed CV, a one-page statement of research interests, and the names and contact information for three references to Judy Farvolden, University of Toronto Transportation Research Institute, University of Toronto (judy.farvolden@utoronto.ca).

Application Deadline: November 30, 2015