Department of Civil Engineering

University of Toronto TORONTO CANADA M5S 1A4

Postdoctoral Position in Transportation Engineering at University of Toronto
Study Subject: Urban Goods Movement Data Collection and Analysis
Employer: University of Toronto, Dept. of Civil Engineering
Supervisor: Prof. Matthew J. Roorda
Application Deadline: April 22, 2011 (or until a suitable candidate is found)

Description:
The focus of this Post Doc position is to participate in research at the Centre for Urban Freight Analysis at the University of Toronto. The Centre for Urban Freight Analysis, under the Direction of Prof. Matthew Roorda, conducts research in goods movement data collection, modelling and analysis, with applications in public sector freight policy support and the development of tools for industry. The primary responsibilities of the Post Doctoral Fellow will be to:

a) Engage with government representatives and other stakeholders in determining data needs for freight planning in the Toronto Area
b) Develop a secure data dissemination framework for appropriate sharing of goods movement data (including GPS data, survey data, etc.) between government, private sector and academic institutions,
c) Manage a survey of business establishments to establish goods movement patterns in the Toronto Area,
d) Analyze and develop innovative urban goods movement models
e) Participate in teaching/training opportunities in the Department of Civil Engineering.
f) Collaborate with a team of PHD, Masters and undergraduate researchers at the Centre for Urban Freight Analysis.

The appointment could begin as early as May 2, 2011, but this date could be postponed somewhat depending on the situation of the candidate. The contract length is two years.

Qualifications:
Requirements include a Ph.D., preferably completed in transportation engineering or logistics; an interest in freight transportation, data collection and project management; excellent oral and written communication skills in English; and a strong publication record. Preferred qualifications include experience in survey design and execution, transportation modelling skills, project management experience, a strong computational background and programming experience in various languages and software (e.g., C# /C++, etc).

How to Apply:
Candidates are requested to provide a cover letter, a detailed CV, a one page statement of research interests, and the names and contact information for three references to Prof. Matthew Roorda, Dept. of Civil Engineering, University of Toronto (roordam@ecf.utoronto.ca).