



Séminaire conjoint / Joint Seminar

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Modelling city logistics

Résumé / Abstract

City logistics has become more important in major cities of industrialised countries as well as developing countries, since many of cities face complicated problems associated with urban freight transport. Higher level of congestion, environment, energy consumption and safety issues are to be solved with the consideration of efficient logistics activities undertaken by private companies.

Based on the situation, this presentation will focus on modelling to evaluate city logistics initiatives including cooperative freight transport systems, access control, and road pricing. The vehicle routing and scheduling with time windows (VRPTW) using Intelligent Transport Systems (ITS) provides us with a basic tool to incorporate the uncertainty of travel times on road network. With the strict time windows of customers efficient and environmentally friendly delivery systems are required. Moreover, e-commerce stimulates the individual home delivery compared with the conventional shopping behaviour of consumers. Coping with these new elements in city logistics will be discussed. There are some stakeholders (shippers, freight carriers, administrators, and residents) who are involved in city logistics schemes. To incorporate the behaviour of these stakeholders multi-agent models are used to represent the ambiguity of decision making process in Public Private Partnerships. Some case studies will also be given in the presentation.

Lundi / Monday

19 juillet 2010 /

July 19, 2010

11h00

Salle/Room 5441

Pavillon André-Aisenstadt

Université de Montréal

Bienvenue à tous / Welcome to all

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