Vahid Famildardashti

Étudiant au doctorat
sous la direction des professeurs Jean-Yves Potvin et Michel Gendreau
Département d'informatique et de recherche opérationnelle
Université de Montréal

TIME SLOT MANAGEMENT FOR HOME DELIVERY

ABSTRACT: In recent years, several novel challenges arise in the development of a successful home delivery strategy, particularly in the case of Attended Home Delivery (AHD) where customers must be present to receive their goods. In addition to routing and logistics issue, a high level of customer satisfaction can be achieved when delivery providers offer a choice of reliable delivery time slots to customers. In this paper, we focus on a tactical time slot management problem for AHD, where the aim is to assign delivery time slots to customers who are geographically dispersed over a given service area. To address this problem, we consider features that should be taken into account in real-life, like split deliveries. We first develop a mathematical formulation for this problem. Then, an adaptive large neighborhood search heuristic (ALNS) will be proposed to solve the problem with split deliveries.

Vahid.Dardashti@cirrelt.ca

VENDREDI / FRIDAY

28 février 2014, à 12h
February 28th, 2014, at 12:00

Salle / Room 5441
Pavillon André-Aisenstadt
Université de Montréal

Pizza et boisson gazeuse fournies
Pizza and soft drink offered

Inscription obligatoire avant le 27 février / Registration required before February 27th
https://symposia.cirrelt.ca/Seminaires-Etudiants/register

* Étudiants de 2e et 3e cycle intéressés à présenter / Graduate students interested in presenting : Antoine.Legrain@cirrelt.ca