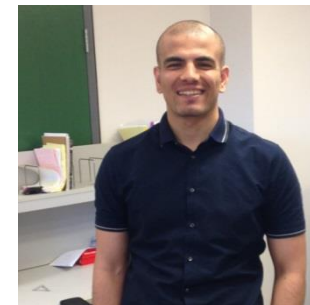




Séminaire des étudiants du CIRRELT Students Seminar*

Hossein Hojabri

Étudiant au doctorat, sous la direction de
Michel Gendreau, Jean-Yves Potvin et Louis-Martin Rousseau



CP-BASED LNS FOR THE TIME-DEPENDENT VEHICLE ROUTING PROBLEM WITH SYNCHRONIZATION

ABSTRACT: This paper considers a time dependent extension of the vehicle routing problem with synchronization constraints, where the travel times of vehicles vary in different regions and different time periods of the day. That is, a two-dimensional speed matrix is considered where the rows represent a few different arc clusters and columns stand for the different time periods in a day. This variant of problem is often encountered in practice and is more realistic, but to our knowledge has received no attention in the literature. A constraint programming-based adaptive large neighborhood search is proposed to solve this problem. A global constraint is developed to embed the time dependency in the constraint programming model.

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JEUDI / THURSDAY

26 mars 2015, à 12h

March 26th, 2015, at 12:00

Salle / Room 5441

Pavillon André-Aisenstadt

Université de Montréal

Pizza et boisson gazeuse fournies

Pizza and soft drink offered

Réservé aux membres du CIRRELT

Inscription obligatoire au plus tard le 25 mars / Registration required no later than March 25th

<https://symposia.cirrelt.ca/SeminairesEtudiants/fr/register>

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



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