

GERAD'S THEMATIC WORKSHOP

on

Optimization in Public Transit

Thursday, June 3, 2004 (9 :00 am to 4 :00 pm)

GERAD
André-Aisenstadt Building
Campus of University of Montréal
2920, chemin de la Tour, Montréal, Québec

Room 6516 (6th floor)

Due to a limited number of places, registration is required.

Organized in collaboration with Canada Research Chair in Large Transportation Network Optimization, this workshop provides an opportunity for the academics, the software suppliers, and the personnel of the public transit authorities around Montreal to discuss the utilization of operations research techniques for improving the operations and their planning in public transit. The following talks will be given :

Dispatching buses in a depot using block patterns
by Guy Desaulniers (Ecole Polytechnique de Montréal).

Integrated bus and driver scheduling
by Jacques Desrosiers (HEC-Montréal).

Transit timetable synchronization: Evaluation and optimization
by Charles Fleurent (GIRO Inc.).

Multiple depot vehicle scheduling by column generation
by Ahmed Hadjar (Ecole Polytechnique de Montréal).

Vehicle and crew scheduling: Solving large real-world instances with an integrated approach
by Dennis Huisman (Erasmus University of Rotterdam).

Problems related to transit user information systems
by Martin Trépanier (Ecole Polytechnique de Montréal).

Personnel from the transit authorities in Montreal, Laval and Longueuil have also been invited to give a talk on the operational and planning problems they are facing.

A detailed schedule will be sent to the participants a few days before the workshop.

Organizer: Guy.Desaulniers@gerad.ca

Registration is free and includes a lunch. Please send your registration (name and affiliation) by email to Diane.Morin@gerad.ca before May 27.