UNIVERSITÉ Concordia UNIVERSITY

MIE Graduate Student Seminar

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HEC MONTRÉAL

CIRRELT
Centre interuniversitaire de recherche
sur les réseaux d'entreprise, la logistique et le transport
Interuniversity Research Centre
on Enterprise Networks, Logistics and Transportation

Stochastic Production-Routing

The production-routing problem (PRP) is a generalization of the inventory-routing problem and concerns the production and distribution of a single product from a production plant to multiple customers using cpacitated vehicles in a discrete and finite time horizon. In this study, we consider the stochastic PRP with demand uncertainty in two-stage and multi-stage decision processes. Computational experiments show that instances of realistic size can be solved to optimality for both the two-stage and multi-stage problems, and that Benders' decomposition provides significant speed-ups compared to a classical branch-and-cut algorithm. Read more at: http://chairelogistique.hec.ca/en/

Thursday, January 28th, 2016
11:00am to 12:00pm
EV 2.260

MIE Graduate Student Committee
Université Concordia University
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Concordia University
Engineering and Computer Science