



Séminaire des étudiants du CIRRELT Students Seminar*

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EFFECTS OF VALID INEQUALITIES ON LAGRANGIAN LOWER BOUND OF MULTILAYER NETWORK DESIGN

ABSTRACT: In multilayer network design multiple parallel layers of networks have to be considered simultaneously. A network has to be designed in each layer to transfer the commodities. To open a link in a particular layer, a chain of supporting links (path) in another layer has to be opened or designed. This integration of multiple layers can yield an optimized multilayer network that cannot be obtained by solving individual network design problems for each layer. We present the valid inequalities for multilayer network design problem and the analysis of strength of them on Lagrangian lower bound of the problem.

Mohammad Rahim Akhavan Kazemzadeh is currently a PhD student at the department of Computer Science of Université de Montréal.

VENDREDI / FRIDAY

**23 septembre 2016, 12h
September 23rd, 2016, 12:00**

**Salle / Room 5441
Pavillon André-Aisenstadt
Université de Montréal**

*Pizza et boissons gazeuses fournies
Pizza and soft drinks offered*

**Réservé aux membres du CIRRELT
FOR CIRRELT MEMBERS ONLY**

Inscription obligatoire au plus tard le 22 septembre / Registration required no later than September 22nd
<https://symposia.cirrelt.ca/SeminaireEtudiant/fr/register>

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

