

Centre de recherches mathématiques  
Université de Montréal

Atelier sur le dessin de réseaux : Optimisation et théorie des jeux  
algorithmique  
Du 14 au 16 août 2006

*Workshop on Network design: Optimization and Algorithmic Game Theory  
August 14-16, 2006*

## **HORAIRE / *PROGRAM***

Conférences : salle 6214

Pauses-café : salle 6245

*Lectures: Room 6214*

*Coffee Breaks: Room 6245*

**Le lundi 14 août 2006 / *Monday, August 14, 2006***

**Session - Après-midi / *Afternoon***

**14:00 - 14:40**

**14:40 - 15:20 Gordon Wilfong** (Bell Laboratories, Lucent Technologies)  
“The Border Gateway Protocol (BGP) and Harmonious Routings”

**15:20 - 15:50** Pause café / *Coffee break*  
(Salle / *Room* 6245)

**15:50 - 16:30 Kamal Jain** (Microsoft Research)  
“Primal-dual algorithm for convex optimization - a work in progress”

**16:45** Cocktail de bienvenue (6245) / *Welcoming reception (6245)*

## Le mardi 15 août 2006 / *Tuesday, August 15, 2006*

**09:00 - 09:30** Café croissants (6245) / *Coffee & Croissants (6245)*

### Session - Matin / *Morning*

**09:30 - 10:10** **Vahab S. Mirrokni** (Microsoft Research)

“Convergence and Approximation in Games”

**10:10 - 10:50** **Seffi Naor** (Microsoft Corporation)

“Non-Cooperative Multicast and Facility Location Games”

**10:50 - 11:20** Pause café / *Coffee break*

(Salle / *Room* 6245)

**11:20 - 12:00** **Nahum Shimkin** (Technion)

“Capacity Management and Equilibrium for Proportional QoS”

**12:00 - 14:00** Pause déjeuner / *Lunch Break*

### Session - Après-midi / *Afternoon*

**14:00 - 14:40** **Kate Larson** (University of Waterloo)

“Mechanism Design with Limited Information”

**14:40 - 15:20** **Jason Hartline** (Microsoft Research)

“Collusion Resistant Mechanism Design”

**15:20 - 15:50** Pause café / *Coffee break*

(Salle / *Room* 6245)

**15:50 - 16:30** **Bruce Shepherd** (McGill University)

“Robust Minimum Cost Networks”

**19:00** Dîner au restaurant / *Workshop Dinner*

Bistro L'Entrepont

4622, rue Hôtel-de-ville

(Metro Mont-Royal)

## Le mercredi 16 août 2006 / *Wednesday, August 16, 2006*

09:00 - 09:30 Café croissants (6245) / *Coffee & Croissants (6245)*

### Session - Matin / *Morning*

09:30 - 10:10 **Mohammad Taghi Hajiaghayi** (Carnegie Mellon University)  
“Auctions for dynamic environments : WiFi, last-minute tickets and grid computing”

10:10 - 10:50 **Nicole Immorlica** (Microsoft Research)  
“Matroids, Secretary Problems, and Online Mechanisms”

10:50 - 11:20 Pause café / *Coffee break*  
(Salle / *Room* 6245)

11:20 - 12:00 **Yishay Mansour** (Tel Aviv University)  
“Strong Price of Anarchy”

12:00 - 14:00 Pause déjeuner / *Lunch Break*

### Session - Après-midi / *Afternoon*

14:00 - 14:40 **Tim Roughgarden** (Stanford University)  
“Approximately Efficient Cost-Sharing Mechanisms for Network Design”

14:40 - 15:20 **Jochen Konemann** (University of Waterloo)  
“An Efficient Cost-Sharing Mechanism for the Prize-Collecting Steiner Forest Problem”

15:20 - 15:50 Pause café / *Coffee break*  
(Salle / *Room* 6245)

15:50 - 16:30 **Andreas S. Schulz** (MIT)  
“On the computational complexity of congestion games”