



Combinatorial and Algorithmic Aspects of Networking and the Internet August 5 - 7, 2004



MEALS

Breakfast (Continental): 7:00 – 9:00 am, 2nd floor lounge, Corbett Hall, Friday & Saturday (*included in workshop*)

Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall (*Cost: \$12.50 + tax*)

Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall (*Cost: \$23 + tax*)

Coffee Breaks: As per daily schedule, 2nd floor lounge, Corbett Hall (*included in workshop*)

For other lighter meal options at The Banff Centre, there is Gooseberry's Deli, located in the Sally Borden Building and The Kiln Cafe, located beside Donald Cameron Hall. There are also plenty of restaurants and cafes in the town of Banff, a few minutes walk from Corbett Hall.

MEETING ROOMS

All lectures will be held in Max Bell 159. Please note that the meeting space designated for BIRS is the lower level of Max Bell, Rooms 155-159. Please respect that all other space has been contracted to other Banff Centre guests, including any Food and Beverage in those areas.

SCHEDULE

Friday August 6th

9:00-10:05 Invited Talk: Aggregated Correlated Data for Sensor Networks
Ashish Goel

10:05-10:35 Coffee Break, 2nd floor lounge, Corbett Hall

10:35-11:00 The efficiency of optimal taxes
G. Karakostas and S.G. Kolliopoulos

11:00-11:25 Congestion games, load balancing, and the price of anarchy
Anshul Kothari, Subhash Suri, Csaba D. Toth and Yuonhong Zhou

11:25-11:50 Bandwidth allocation in networks: A single-dual update subroutine
Sung-woo Cho and Ashish Goel

11:50-13:40 Lunch

13:40-14:05 Limits of direct models for the web graph
Anthony Bonato and Jeanette Janssen

14:05-14:30 Cuts and disjoint paths in the valley-free path model of Internet BGP routing
Thomas Erlebach, Alexander Hall, Alessandro Panconesi and Danica Vukadinovic

14:30-14:55 A distributed algorithm to find Hamiltonian cycles in Gnp random graphs
E. Levy, G. Louchard and J. Petit

14:55-15:50 Coffee/Research Break, 2nd floor lounge, Corbett Hall

15:50-16:15 String matching on the Internet
H. Bronnimann, N. Memon and K. Shanmugasundaram

16.15-16.40 k-robust single-message transmission
Andre Kundgen, Michael Pelsmajer and Radhika Ramamurthi

16.40-17.05 Stable local scheduling algorithms with low complexity
Claus Bauer

17.05-19.30 Dinner

Saturday August 7th

9:00-9:25 The external network problem with edge- or arc-connectivity requirements
Jan van den Heuvel and Matthew Johnson

9:25-9:50 Bipartite graphs as models of complex networks
Jean-Loup Guillaume and Matthieu Latapy

9:50-10:35 Coffee break, 2nd floor lounge, Corbett Hall

10:35-11:00 Traceroute-like exploration of unknown networks: a statistical analysis
Luca Dall'Asta, Ignacio Alvarez-Hamelin, Alain Barrat, Alexei Vazquez and Alessandro Vespignani

11:00-11:50 Invited Talk: The Many Wonders of the Web Graph
Andrei Broder

Checkout by 12 noon.