Probabilistic versus Deterministic Techniques for Shared Memory Computation
February 5-10, 2012

MEALS

*Breakfast (Buffet): 7:00–9:30 am, Sally Borden Building, Monday–Friday
*Lunch (Buffet): 11:30 am–1:30 pm, Sally Borden Building, Monday–Friday
*Dinner (Buffet): 5:30–7:30 pm, Sally Borden Building, Sunday–Thursday
Coffee Breaks: As per daily schedule, in the foyer of the TransCanada Pipeline Pavilion (TCPL)
***Please remember to scan your meal card at the host/hostess station in the dining room for each meal.**

MEETING ROOMS

All lectures will be held in the new lecture theater in the TransCanada Pipelines Pavilion (TCPL). **Talks in the morning take place in TCPL 202; afternoon talks in TCPL 201.** LCD projector and blackboards are available for presentations.

SCHEDULE

Sunday

16:00	Check-in begins (Front Desk - Professional Development Centre - open 24 hours)
17:30–19:30	Buffet Dinner, Sally Borden Building
20:00	Informal gathering in 2nd floor lounge, Corbett Hall
	Beverages and a small assortment of snacks are available on a cash honor system.

Monday

7:00–8:45	Breakfast
8:45–9:00	Introduction and Welcome by BIRS Station Manager (**TCPL 202**)
9:00	**Jared Saia:** *Shared Memory in an Adverse Environment*
	Coffee Break (TCPL Foyer)
	Jennifer Welch: *Shared Memory Consistency under Probabilistic Churn Models*
11:30–13:00	Lunch
13:00–14:00	Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall
14:00	**Eric Ruppert:** *The Complexity of Non-blocking Dictionaries* (**TCPL 201**)
	Coffee Break (TCPL Foyer)
	Breakout Session
	George Giakkoupis: *On the Time and Space Complexity of Randomized Test-And-Set*
17:30–19:30	Dinner

Tuesday

7:00–9:00	Breakfast
9:00	**Keren Censor-Hillel:** *Polylogarithmic Implementations of Restricted-Use Objects*
	Coffee Break
	Danny Hendler: *Lower Bounds on Restricted-Use Objects*
11:30	*Group Photo*; meet on the front steps of Corbett Hall
11:45–13:30	Lunch
13:30	**James Aspnes:** *Open Problems in Consensus*
	Coffee Break
	Breakout Session
	Rotem Oshman: *Mutual Exclusion with Faulty Memory*
17:30–19:30	Dinner

Wednesday

7:00–9:00	Breakfast
9:00	**Lisa Higham:** *Linearizable Implementations Do Not Suffice for Randomized Distributed Computation — And What We Can Do About It*
	Coffee Break
	Wojciech Golab: *A Closer Look at Strong Linearizability*
	Hagit Attiya: *How Do We Motivate Our Work?*
11:30–13:30	Lunch
	Free Afternoon
	Meet at 13:15 in front of Colbert Hall to join the trip to Lake Louise.
17:30–19:30	Dinner

Thursday

7:00–9:00	Breakfast
9:00	**Michael Bender and Seth Gilbert:** *Mutual Exclusion in $O(\log^2 \log n)$ Time*
	Coffee Break
	Dan Alistarh: *The Complexity of Renaming*
11:30–13:30	Lunch
13:30	**Faith Ellen:** *Tight Bounds for Conflict Detectors*
	Coffee Break
	Valerie King: *TBA*
	Breakout Session
	Maged Michael: *Nonblocking Algorithms and Memory Management Problems*
17:30–19:30	Dinner

Friday

7:00–9:00	Breakfast
9:00	Informal Discussions
	Coffee Break
11:30–13:30	Lunch
Checkout by 12 noon.	

** 5-day workshop participants are welcome to use BIRS facilities (BIRS Coffee Lounge, TCPL and Reading Room) until 3 pm on Friday, although participants are still required to checkout of the guest rooms by 12 noon. **