



# Banff International Research Station

for Mathematical Innovation and Discovery

## New trends on Structural Graph Theory September 5–10, 2010

### 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, 2nd floor lounge, Corbett Hall

\*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 Max Bell 159 (Max Bell Building accessible by walkway on 2nd floor of Corbett Hall). LCD projector, overhead projectors and blackboards are available for presentations. 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

#### Sunday

- 16:00 Check-in begins
  - 17:30–19:30 Buffet Dinner, Sally Borden Building
  - 20:00 Informal gathering in 2nd floor lounge, Corbett Hall (if desired)
- Beverages and snacks available on a cash honor system.

## **Monday**

7:00–8:45 Breakfast

8:45–9:00 Introduction and Welcome by BIRS Station Manager, Max Bell 159

9:00–10:30 5 minutes announcements

10:30–11:00 Coffee Break, 2nd floor lounge, Corbett Hall

11:00–12:00 5 minutes announcements

12:00–13:00 Lunch

Coffee Break, 2nd floor lounge, Corbett Hall

16:00–16:30 Sang-il Oum, Hyperbolic surface subgraphs of doubles of free groups

16:30–18:00 Discussion Group: Graphs on Surfaces: (Convenor: Bojan Mohar)  
Speakers include Zdenek Dvorak, Kenta Ozeki.

18:00–19:30 Dinner

## **Tuesday**

7:00–9:00 Breakfast

9:00–9:30 Daniel Kral, Packing six T -joins in plane graphs

9:30–10:00 Jessica McDonald, On Tuza's Conjecture

10:00–10:30 Coffee Break, 2nd floor lounge, Corbett Hall

10:30–11:30 Matt DeVos, Growth in Cubes of Graphs

11:30–12:00 Robin Thomas, Taming vortices with restricted deletions

12:00 Group Photo; meet on the front steps of Corbett Hall

12:05–13:30 Lunch

13:00–14:00 Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall

Coffee Break, 2nd floor lounge, Corbett Hall

16:00–16:30 Yori Zwols, Even pairs and the circular chromatic number of  $K_4$  - free graphs with no odd holes

16:30–18:00 Discussion Group: Graphs Coloring (Convenor: Bruce Reed)  
Speakers include Andrew King.

18:00–19:30 Dinner

## **Wednesday**

7:00–9:00 Breakfast

9:00–9:30 Sergey Norin, Packing minors half-integrally

9:30–10:30 Jacob Fox, A new proof of the graph removal lemma

10:30–11:00 Coffee Break, 2nd floor lounge, Corbett Hall

11:00–11:30 Alexandra Fradkin, Immersion in digraphs and related problems

11:30–12:00 Sasha Kostochka, Hadwiger number of small graphs

12:00–13:30 Lunch

Coffee Break, 2nd floor lounge, Corbett Hall

Free Afternoon

18:00–19:30 Dinner

### **Thursday**

7:00–9:00 Breakfast

9:00–9:30 Bertrand Guenin, Representations of non-degenerate even cycle matroids or Displaying blocking pairs in signed graphs

9:30–10:00 Naonori Kakimura, Matching Structure of Symmetric Bipartite Graphs and a Generalization of Pólya's Problem

10:00–11:00 Coffee Break, 2nd floor lounge, Corbett Hall

11:00–11:30 Anna Galluccio, The stable set polytope of claw-free graphs

11:30–12:00 Luis Goddyn, Structure of Toroidal Triangulations with Few Odd Vertices

12:00–13:30 Lunch

Coffee Break, 2nd floor lounge, Corbett Hall

16:00–16:30 Gwenaél Joret, Small models of minors in dense graphs

16:30–18:00 Discussion Group: Graph Minor: (Convenor: TBA) Speakers include Kevin Milans,

Tony Huynh, Tereza Klimosova.

18:00–19:30 Dinner

### **Friday**

7:00–9:00 Breakfast

9:00 Informal Discussions recommended, as many participants must catch early flights

Coffee Break, 2nd floor lounge, Corbett Hall

11:30–13:30 Lunch

**Check-out by 12 noon.**

\*\* 5-day workshops are welcome to use BIRS facilities (2nd Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 3 pm on Friday, although participants are still required to checkout of the guest rooms by 12 noon. \*\*