



# Flavors of Groups, BIRS Workshop 05w5105 November 18-22, 2005



## MEALS

Breakfast (Continental): 7:00 – 9:00 am, 2<sup>nd</sup> floor lounge, Corbett Hall, Sunday – Thursday

\*Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall, Sunday – Thursday

\*Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall, Saturday – Wednesday

Coffee Breaks: As per daily schedule, 2<sup>nd</sup> floor lounge, Corbett Hall

**\*Please remember to scan your meal card at the host/hostess station in the dining room for each lunch and dinner.**

## MEETING ROOMS

**All lectures will be held in Max Bell 159 (Max Bell Building accessible by bridge on 2<sup>nd</sup> floor of Corbett Hall). Hours: 6 am – 12 midnight. LCD projector, overhead projectors and blackboards are available for presentations.** *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

### Thursday, November 17, 2005

16:00 Check-in begins (Front Desk – Professional Development Centre - open 24 hours)  
Lecture rooms available after 18:00 (if desired)

17:30-19:30 Buffet Dinner, Donald Cameron Hall

20:00 Informal gathering in 2<sup>nd</sup> floor lounge, Corbett Hall  
Beverages and small assortment of snacks available on a cash honour-system basis.

### Friday, November 18, 2005

7:00-8:45 Breakfast

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

9:00 Lee Mosher, Geometric Group Theory

10:00 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

10:30 Ken Bromberg, The topology of deformation spaces of hyperbolic 3-manifolds

11:30-13:30 Lunch

13:30-14:30 Guided Tour of The Banff Centre; meet in the 2<sup>nd</sup> floor lounge, Corbett Hall

14:30 Gunter Malle, Complex reflection groups and representations of reductive groups

15:30 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

16:00 Alexander Kleschev, Flavors of symmetric groups

17:30-19:30 Dinner

### Saturday, November 19, 2005

7:00-9:00 Breakfast

9:00 Howard Masur, Fuchsian subgroups of the mapping class group

10:00 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

10:30 Dave Benson, Representations, cohomology and duality

11:30 Group Photo; meet on the front steps of Corbett Hall (to take place directly after the last lecture of the morning)

11:30-13:30 Lunch

- 13:30 Nat Thiem , The finite unitary group, Deligne-Lusztig induction, and tableaux combinatorics
- 14:30 Alain Valette, Quasi-isometric embeddings into Hilbert spaces, and growth of 1-cocycles on groups
- 15:30 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall
- 16:00 Karin Erdmann, Permutation modules and applications
- 17:30-19:30 Dinner

### **Sunday, November 20, 2005**

- 7:00-9:00 Breakfast
- 9:00 Ursula Hamenstaedt, Large-scale geometry of subgroups of mapping class groups
- 10:00 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall
- 10:30 Jon McCammond, Coxeter groups and Artin groups in Geometric Group Theory
- 11:30-13:30 Lunch
- 13:30 Alan Reid, LERF, extensions and retractions
- 14:30 Juan Souto, Heegard splittings and pseudo-Anosov maps
- 15:30 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall
- 16:00 Persi Diaconis, An outsider looks at Group Theory
- 17:30-19:30 Dinner

### **Monday, November 21, 2005**

- 7:00-9:00 Breakfast
- 9:00 Joel Kamnitzer, Mirkovic-Vilonen Polytopes
- 10:00 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall
- 10:30 Karen Vogtmann, The topology of automorphism groups of free groups
- 11:30-13:30 Lunch
- 13:30 Steve Kerckhoff, Eight flavors of geometry in a single (projective) cone
- 14:30 Jesper Grodal, Homotopical group theory
- 15:30 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall
- 16:00 Lauren Williams, The combinatorics and topology of totally nonnegative flag varieties
- 17:30-19:30 Dinner

### **Tuesday, November 22, 2005**

- 7:00-9:00 Breakfast
- 9:00 Informal Discussions recommended, as many participants must catch early flights
- 10:00 Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall – to START no earlier than 10 am
- 10:30 Informal Discussions
- 11:30-13:30 Lunch

### **Checkout by 12 noon.**

\*\* 5-day workshops are welcome to use the BIRS facilities (2<sup>nd</sup> Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 4 pm on Thursday, although participants are still required to checkout of the guest rooms by 12 noon. \*\*