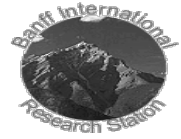




TOPOLOGY Workshop

August 27-September 1, 2005



MEALS

Breakfast (Continental): 7:00 – 9:00 am, 2nd 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, 2nd 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 2nd 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

Saturday, August 27, 2005

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

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

20:00 Informal welcome gathering in 2nd floor lounge, Corbett Hall
Beverages and small assortment of snacks available on a cash honor-system basis.

Sunday, August 28, 2005

7:00-8:45 Breakfast

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

9:00-9:45 Bruce Kleiner, Univ. of Michigan
Geometrization and uniformization of metric spaces

10:00-10:45 Arthur Bartels, Univ. Munster
The Farrell-Jones Conjecture for groups acting on trees

10:45-11:15 Coffee Break, 2nd floor lounge, Corbett Hall

11:15-12:00 Denis Auroux, MIT, **Fiber sums of Lefschetz fibrations**

12:15-13:30 Lunch

15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall

16:00-16:45 Jacob Lurie, Harvard
Elliptic Cohomology and Derived Algebraic Geometry

17:00-17:45 Jongil Park, Seoul National University
Rational blow-downs and smooth 4- manifolds with one basic class

18:00-19:30 Dinner

Monday, August 29, 2005

7:00-9:00 Breakfast

9:00-9:45 Weimen Chen, University of Massachusetts
Pseudo holomorphic curves and finite group actions in dimension 4

10:00-10:45 Shmuel Weinberger, University of Chicago,
A Sullivan conjecture for equivariant structure sets

10:45-11:15 Coffee Break, 2nd floor lounge, Corbett Hall

11:15-12:00 Martin Bridson, Imperial College London
Limit Groups: non-positive curvature, logic, and group theory

12:15-12:30 Group Photo; meet on the front steps of Corbett Hall

12:30-13:30 Lunch

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

15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall

16:00-16:45 Thomas Mark, Southeastern Louisiana University
Ozsvath-Szabo invariants of fiber sums

17:00-17:45 William Dwyer, Notre Dame
Duality in algebra and topology

18:00-19:30 Dinner

Tuesday, August 30, 2005

7:00-9:00 Breakfast

9:00-9:45 Oleg Viro, Uppsala University
Virtual links, their relatives and Khovanov homology

10:00-10:45 Jesper Grodal, University of Chicago
p-compact groups and their classification

10:45-11:15 Coffee Break, 2nd floor lounge, Corbett Hall

11:15-12:00 Peter Ozsvath, Columbia University
Heegard Floer homology of links

12:15-13:30 Lunch

15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall

16:00-16:45 Jacob Rasmussen, Princeton University
Differentials on Khovanov-Rozansky homology

17:00-17:45 Yongbin Ruan, University of Wisconsin
Twisted K-theory on orbifolds and its stringy product

18:00-19:30 Dinner

Wednesday, August 31, 2005

7:00-9:00 Breakfast

9:00-9:45 Wolfgang Lück, Münster

L^2 -invariants and their applications

10:00-10:45 Stefano Vidussi, Univ. of California, Riverside

Taubes conjecture and twisted Alexander invariants

10:45-11:15 Coffee Break, 2nd floor lounge, Corbett Hall

11:15-12:00 Karen Vogtmann, Cornell University

Tethers and homology stability

12:15-13:30 Lunch

15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall

16:00-16:45 Andras Stipsicz, Alfréd Rényi Institute of Mathematics

Contact Ozsvath--Szabo invariants and tight structures on 3-manifolds

17:00-17:45 Walter Neumann, Columbia University

Graph manifolds and singularities

18:00-19:30 Dinner

Thursday, September 1, 2005

7:00-9:00 Breakfast

9:00-10:30 Informal Discussions for those leaving later in the day.

10:30-11:00 Coffee served in Corbett Hall

11:30-13:30 Lunch

Checkout by 12 noon.

** 5-day workshops are welcome to use the BIRS facilities (2nd 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. **