



Topology of Manifolds and Homotopy Theory

March 20 - 25, 2004



MEALS

(Saturday dinner to Thursday lunch are included in workshop)

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. *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

Sunday, March 21

7:00 – 9:00 BREAKFAST, 2nd floor lounge, Corbett Hall

9:00 – 9:10 Welcome from BIRS

9:15 – 10:00 Matthias Kreck: Title TBA

10:15 – 11:00 Holgar Reich: Algebraic K-Theory of Group Rings and Topological Cyclic Homology

11:00 – 11:30 COFFEE, 2nd floor lounge, Corbett Hall

11:30 – 12:15 Natalie Wahl: Mapping class groups in dimension 2 and 3 and the automorphisms of free groups.

12:15 – 1:30 LUNCH

1:30 – 2:30 Optional TOUR of Banff Centre facilities. Meet in 2nd floor lounge, Corbett Hall.

1:30 – 3:30 Informal discussions

3:30 – 4:00 COFFEE, 2nd floor lounge Corbett Hall

4:00 – 4:45 Ralph Cohen: Intersection theory in spaces of paths and loops in manifolds

5:00 – 5:45 Nitu Kitchloo: Loop spaces and Duality

6:00 – 7:30 DINNER

Monday, March 22

- 9:00 – 9:45 Bjoern Dundas: 2-vector bundles and K-theory
10:00 – 10:45 Jesper Grodal: Finite loop spaces and p-compact groups
10:45 – 11:15 COFFEE, 2nd floor lounge, Corbett Hall
11:15 – 12:00 Alejandro Adem: Group actions: old questions, some new answers
12:15 Group photo. Meet outside on the steps of Corbett Hall.
12:15 – 1:30 LUNCH
1:30 – 3:30 Informal discussions
3:30 – 4:00 COFFEE, 2nd floor lounge Corbett Hall
4:00 – 4:45 Dairmuid Crowley: Quadratic coefficient systems in surgery
5:00 – 5:45 Tilman Bauer: Smooth structures on local loop spaces
6:00 – 7:30 DINNER

Tuesday, March 23

- 9:00 – 9:45 Greg Freidman: Cobordism of (high dimensional) disk knots
10:00 – 10:45 Andrew Ranicki: Noncommutative localization in surgery theory
10:45 – 11:15 COFFEE, 2nd floor lounge, Corbett Hall
11:15 – 12:00 Wolfgang Lueck: Computation of K- and L-groups of group rings and group C^* -algebras
12:15 – 1:30 LUNCH
1:30 – 3:30 Informal discussions
3:30 – 4:00 COFFEE, 2nd floor lounge Corbett Hall
4:00 – 4:45 John Klein: The Complement Formula
5:00 – 5:45 Veronique Godin: A model for the moduli space of bordered Riemann surfaces
6:00 – 7:30 DINNER

Wednesday, March 24

- 9:00 – 9:45 Jim Davis: Propagation of group actions and actions on a product of spheres
10:00 – 10:45 Markus Banagl: Topological Invariants of Stratified Maps
10:45 – 11:15 COFFEE, 2nd floor lounge, Corbett Hall
11:15 – 12:00 Bruce Williams: Homotopy intersection theory and parametrized fixed point theory
12:15 – 1:30 LUNCH
1:30 – 3:30 Informal discussions
3:30 – 4:00 COFFEE, 2nd floor lounge Corbett Hall
4:00 – 4:45 Nora Ganter: Orbifold genera, product formulas and power operations
5:00 – 5:45 Frank Quinn: Controlled algebraic K-theory and the induction conjecture
6:00 – 7:30 DINNER
7:30pm PROBLEM SESSION

Thursday, March 25

Breakfast (7-9 am, Corbett Hall) and lunch (11:30 am-1:30 pm, Donald Cameron Hall) are included on Thursday.