



Knots and their manifold stories

May 8-13, 2004



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 are held in the main lecture hall, 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, May 9

7:00-8:45	Breakfast, 2 nd floor lounge, Corbett Hall
8:45-9:00	Introduction and Welcome to BIRS, Max Bell 159
9:00 – 9:45	Kent Orr (Indiana University): Embeddings and localization
10:00 – 10:45	Slava Kruskal (University of Virginia): Survey of 4-Dimensional Surgery
10:45 – 11:15	Coffee, 2 nd floor lounge, Corbett Hall
11:15 – 12:00	Peter Linnell : Noncommutative localization and L2-Betti numbers
12:30-1:30	Lunch
1-2pm	Optional Tour of Banff Centre; meet in 2 nd floor lounge, Corbett Hall
2:15-3:00	Tim Cochran: Survey of Work of COT
3:00-3:30	Coffee and Informal Discussion
4:15-5:00pm	Patrick Gilmer: Integral TQFT modules
5:30-7:30pm	Dinner

Monday, May 10

9 – 9:45	Paul Melvin - Knot Floer Homology
10 – 10:45	Des Sheiham - High-dimensional boundary links; Invariants of the Blanchfield-Duval form
10:45 – 11:15	Coffee
11:15 – 12:00	Rob Schneiderman - Whitney towers, grope concordance and Milnor's invariants
12:00-12:10	Workshop Photo - Steps of Corbett Hall
12:10 – 1:30	Lunch
1:30 – 2:15	Shelley Harvey - Homology equivalence of groups and spaces
2:15 - 3:00	Coffee
3:00 – 3:45	Joanna Kania-Bartosynska - TBA
4 – 4:30	Aaron Heap - Bordism of the Mapping Class Group
4:45 – 5:30	Roger Fenn - A new non-commutative algebra with applications to knot theory
7:30-8:30	Special informal jazz piano recital - Rob Schneiderman Chamber Music Studio, Music & Sound Building

Tuesday, May 11

8:30 – 9:15	Jerry Levine – A new filtration of the mapping class group
9:25 – 10:10	Diarmuid Crowley - The rational Haefliger sequence for high codimension links
10:10 – 10:35	Coffee
10:35 – 11:20	Andrew Ranicki - Algebraic transversality and noncommutative localization
11:45 - 12:15	Taehee Kim - Filtrations of knots and knot concordance
Free afternoon	

Wednesday, May 12

9 – 9:45	Constance Leidy - Higher order linking forms
10 – 10:45	John Klein - Periodic families of Poincare spaces
10:45 – 11:15	Coffee
11:15 – noon	Stephan Friedl - New examples of topologically slice knots
noon - 2:30	Lunch
2:30 – 3:00	Coffee
3:00 – 3:45	Jae Choon Cha - Rational Homology Concordance of Knots
4 - 4:15	Carol Gee - Strong S-equivalence of Ordered Links
4:30 - 5:30	Slava Krushkal - Rigidity and quantum representations of mapping class groups