Braid Groups and Applications
October 16 - 21, 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 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, October 16

16:00   Check-in begins (Front Desk – Professional Development Centre - open 24 hours)
17:30-19:30 Buffet Dinner, Donald Cameron Hall
20:00   Informal gathering in 2nd floor lounge, Corbett Hall

Sunday, October 17

8:45-9:00   Andrea Lundquist, welcome to Banff
9:00-9:10   Dale Rolfsen, announcements
9:10-10:00   Hitoshi Murakami "Limits of the colored Jones polynomials of a knot and the volumes
                    of the three-manifolds obtained by Dehn surgeries"
10:00-10:30 COFFEE
10:30-11:20 Tara Brendle "Commensurations of the Johnson kernel"
11:30-12:20 Fred Cohen "Connections of braid groups to homotopy theory, and low dimensional
                    topology"

1:30-2:00   Stephen Bigelow "Beyond BMW"
2:10-3:00   Patrick Dehornoy "The group of parenthesized braids"
3:00-3:30   COFFEE
3:30-4:20   Christian Kassel "From Sturmian morphisms to the braid group B_4"
4:30-5:00   Dan Margalit "Injections of Artin groups"

Monday, October 18

9:00-9:50   Juan Ganzalez-Menesis "Conjugacy problem for pseudo-Anosov braids"
10:00-10:30 Alissa Crans "Solutions of the Yang--Baxter and Zamolodchikov Tetrahedron
             Equations".
10:30-11:00 COFFEE
11:00-11:50 Ivan Marin "On the representation theory of (generalized) braid groups"

1:30-2:20   Volker Gebhart "Using reduction to understand ultrasummit sets."
2:30-3:00   Hao Zheng "A reflexive representation of braid groups and its applications"
3:00-3:30   COFFEE
3:30-4:20   Toshitake Kohno "Braids and hypergeometric integrals"
4:30-5:00   Liam Watson "Braid Group Actions and the Jones Polynomial"

Tuesday, October 19

9:00-9:50   Gus Lehrer ``The action of reflection groups on the cohomology of generalised pure
             braid groups."
10:00-10:30 Jean Michel "Hurwitz action on euclidean reflections"
10:30-11:00 COFFEE
11:00-11:50 Hans Wenzl "Braid representations and tensor categories"
11:50-12:00 Group Photo, meet on the front steps of Corbett Hall

AFTERNOON FREE
1:30-2:30   Tour of The Banff Centre, meet in the 2nd floor lounge

Wednesday, October 20

9:00-9:50   Bill Menasco "Monotonic Simplification and Recognizing Exchange Reducibility"
10:00-10:30 Holly Hauschild "The Tangle Picture for the Affine Birman-Murakami-Wenzl Algebra"
10:30-11:00 COFFEE
11:00-11:50 Xiao-Song Lin "Representations of braid group and colored HOMFLY polynomials"

1:30-2:20   Christine Lescop "The Walker invariant as a configuration space integral.
2:30-3:20   Gregor Masbaum ``Integral lattices in TQFT"
3:20-3:40   COFFEE
3:40-4:30   Elena Kudryavtseva "Invariants of knots, braids and magnetic fields"

Thursday, October 21

9:00-9:50   Luis Paris "Artin groups up to isomorphism"
10:00-10:30 COFFEE
10:30-11:20 Daan Krammer "Still more lattices for braid groups"
11:30-12:00 Shamindra Ghosh "Representations of group planar algebras"