

# The Kneser-Poulsen Conjecture

## Nov. 3 – Nov. 5, 2005

### MEALS

Breakfast (Continental): 7:00 – 9:00 am, 2<sup>nd</sup> floor lounge, Corbett Hall, Friday & Saturday (*included in workshop*)

Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall (*Cost: \$12.50 + tax*)

Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall (*Cost: \$23 + tax*)

Coffee Breaks: As per daily schedule, 2<sup>nd</sup> floor lounge, Corbett Hall (*included in workshop*)

*\*\*For other lighter meal options at The Banff Centre, there are two other options: Gooseberry's Deli, located in the Sally Borden Building, and The Kiln Cafe, located beside Donald Cameron Hall. There are also plenty of restaurants and cafes in the town of Banff, a 10-15 minute walk from Corbett Hall. \*\**

### MEETING ROOMS

**All lectures will be held in Max Bell 159. 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

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

**19:30** Informal gathering in 2<sup>nd</sup> floor lounge, Corbett Hall  
Beverages and small assortment of snacks available in the lounge on a cash honour-system basis.

#### Friday

**7:00-9:00** Breakfast, 2<sup>nd</sup> floor lounge, Corbett Hall

**9:15-9:50** Karoly Bezdek (University of Calgary, Canada) - From the Kneser-Poulsen conjecture towards a theory of ball-polytopes

**10:00-10:35** Robert Connelly (Cornell University, Ithaca NY, USA) - Kneser-Poulsen problems-What do we need for further progress?

**10:45-11:15** Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

**11:15-11:50** Balazs Csikos (Eotvos University, Budapest, Hungary) - Volume Variation Formulae and Volume Monotonicity

**12:00-2:00** Lunch Break

**2:00-2:35** Alexander Brudnyi (University of Calgary, Canada) - A universal Lipschitz extension property for products of Gromov hyperbolic spaces

**2:45-3:10** Marshall Bern (Palo Alto Research Center, USA) - Mo"bius-Invariant Natural Neighbor Interpolation

**3:20-3:50** Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

**3:50-4:25** Peter Papez (University of Calgary, Canada) - Ball-Polytopes Revisited

**4:35-5:10** Zsolt Langi (University of Calgary, Canada) - A Generalization of the Discrete Isoperimetric Inequality for Piecewise Smooth Curves of Constant Geodesic Curvature

**6:00** Dinner

## Saturday

**7:00-9:00** Breakfast, 2<sup>nd</sup> floor lounge, Corbett Hall

**9:15-9:50** Balazs Csikos (Eotvos University, Budapest, Hungary) - The Kneser-Poulsen Conjecture in the Elliptic Space

**10:00-10:30** Coffee Break, 2<sup>nd</sup> floor lounge, Corbett Hall

**10:30-11:05** Marton Naszodi (University of Calgary, Canada) – Touching Homothetic Bodies and Antipodality

**11:15-11:45** Closing Informal Discussions

Checkout by 12 noon.

\*\* 2-day workshops are welcome to use the BIRS facilities (2<sup>nd</sup> Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 16:00 on Saturday, although participants are still required to checkout of the guest rooms by 12 noon. There is no coffee break on Saturday afternoon, but self-serve coffee and tea are always available in the 2<sup>nd</sup> floor lounge, Corbett Hall. \*\*