



Recent Advances in Symplectic Geometry

12/3/2005—12/8/2005



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.

SCHEDULE

Saturday

16:00 Check-in begins (Front Desk – Professional Development Centre - open 24 hours)

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

Sunday

7:00- 8:45 Breakfast

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

9:00-10:00 F. Lalonde: Lagrangian submanifolds, clusters and capacity

10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall

10:30-11:30 M. Audin: Integrability and nonintegrability of Hamiltonian systems

11:30-13:00 Lunch

13:00-14:30 Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett

14:30-15:30 P. Oszvath: Holomorphic disks and link invariants

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

16:00-17:00 Y. Ruan: Symplectic birational geometry

17:30-19:30 Dinner

Monday

7:00- 9:00 Breakfast

9:00-10:00 L. Polterovich: Contact non-squeezing at the quantum scale

10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall

10:30-11:30 S.Tolman: Generalized Kahler quotients and birational structures

11:30-11:45 Group Photo; meet on the front steps of Corbett Hall

11:45-13:30 Lunch

14:30-15:30 P. Seidel: Exact Lagrangian submanifolds in cotangent bundles

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

16:00-17:00 K. Cieliebak: Rational SFT and string topology

17:30-19:30 Dinner

20:00-21:00 P. Biran: TBA

Tuesday

7:00- 9:00 Breakfast

9:00-10:00 Y. Karshon: Localization for Hamiltonian group actions

10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall

10:30-11:30 J.-Y. Welchinger: Cotangent bundles, holomorphic disks and enumerative invariants (in dimension four)

11:30-13:30 Lunch

Free Afternoon

17:30-19:30 Dinner

20:00-21:00 M. Abreu: TBA

Wednesday

7:00- 9:00 Breakfast

9:00-10:00 K. Wehrheim: Lagrangian correspondences and a Floer field theory

10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall

10:30-11:30 C. Abbas: A new approach to the Weinstein conjecture in dimension three

11:30-13:30 Lunch

14:30-15:30 G.Y. Oh: Moduli space of holomorphic polygons and Lagrangian

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

16:00-17:00 D. Auroux: Near symplectic structures and Lefschetz pencils on smooth 4-manifolds

17:30-19:30 Dinner

Thursday

7:00- 8:30 Breakfast

8:30- 9:30 P. Kronheimer: TBA

Informal Lecture:

10:00-11:00 K. Cieliebak: Symplectic hypersurfaces and transversality for punctured holomorphic curves

Checkout by 12 noon.