

Interactions between contact symplectic topology and gauge theory in dimensions 3 and 4

Monday

7:00-8:45 Breakfast

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

9:00-10:00 Lenny Ng "Transverse homology and its properties"

10:00-10:30 Tea

10:30-11:30 Jen Hom "Concordance and the knot Floer complex"

11:30-13:00 Lunch

13:00-14:00 Guided Tour of The Banff Centre

14:00-15:00 Katrin Wehrheim "Quilted Floer homology - transversality and applications"

15:00-15:30 Tea

15:30-16:30 David Shea Vela-Vick "Contact geometry and Heegaard Floer invariants for noncompact 3-manifolds"

16:45-17:45 Stefano Vidussi "Refined adjunction inequalities for 4-manifolds with a circle action"

17:45 Dinner

Tuesday

7:00-9:00 Breakfast

9:00-10:00 Ciprian Manolescu "A step-by-step algorithm to compute 3- and 4-manifold invariants"

10:00-10:30 Tea

10:30-11:30 Stefan Friedl "Twisted Alexander polynomials of hyperbolic knots"

11:30-13:30 Lunch

13:30-14:00 Group Photo

14:00-15:00 Cagatay Kutluhan "Heegaard Floer meets Seiberg--Witten"

15:00-15:30 Tea

15:30-16:30 Tim Perutz "The Fukaya category of the punctured 2-torus"

16:45-17:45 Eli Grigsby "On Khovanov-Seidel quiver algebras and bordered Floer homology"

17:45 Dinner

Wednesday

7:00-9:00 Breakfast

9:00-9:45 Paolo Ghiggini "From HF to ECH via open book decompositions I"

9:45-10:30 Ko Honda "From HF to ECH via open book decompositions II"

10:30-11 Tea

11-12 Olga Plamenevskaya "Planar open books, monodromy factorization and symplectic fillings"

11:30-13:30 Lunch

Afternoon free

17:45 Dinner

Thursday

7:00-9:00 Breakfast

9:00-10:00 Dylan Thurston "Heegaard Floer homology is natural"

10:00-10:30 Tea

10:30-11:30 Matt Hedden "Unlink detection and the Khovanov module"

11:30-14:00 Lunch

14:00-15:00 Tom Mrowka "Filtrations on Singular Instanton Knot Homology"

15:00-15:30 Tea

15:30-16:30 Dan Margalit "Combinatorics of Torelli groups"

16:45-17:45 Jongil Park "A classification of numerical Campedelli surfaces"

17:45 Dinner

Friday

7:00-8:30 Breakfast

8:30-9:30 Brendan Owens "Alternating links and rational balls"

9:30-10:30 Liam Watson "Decayed knots and L-spaces"

10:30-11:30 Tye Lidman "Heegaard Floer Homology and Triple Cup Products"

12.00 noon: Check-out time