



Banff International Research Station

for Mathematical Innovation and Discovery

Rigidity Theory: Progress, Applications and Key Open Problems July 15-20 Workshop

MEALS

*Breakfast (Buffet): 7:00 – 9:30 am, Sally Borden Building, Monday – Friday

*Lunch (Buffet): 11:30 am – 1:30 pm, Sally Borden Building, Monday – Friday

*Dinner (Buffet): 5:30 – 7:30 pm, Sally Borden Building, Sunday – Thursday

Coffee Breaks: As per daily schedule, in the foyer of the TransCanada Pipeline Pavilion (TCPL)

***Please remember to scan your meal card at the host/hostess station in the dining room for each meal.**

MEETING ROOMS

All lectures will be held in the new lecture theater in the TransCanada Pipelines Pavilion (TCPL). LCD projector and blackboards are available for presentations.

SCHEDULE

Sunday

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

17:30-19:30 Buffet Dinner

Evening Informal gathering in 2nd floor lounge, Corbett Hall
Beverages and small assortment of snacks are available on a cash honor system.

Monday

7:00-8:45 Breakfast

8:45-9:00 Introduction and Welcome by BIRS Station Manager, TCPL

9:00-10:30 4 minute talks – all participants invited

10:30-11:00 Coffee Break

11:00-12:00 4 minute talks – continued

12:00-13:00 Lunch

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

14:00 Group Photo; meet in foyer of TCPL (photograph will be taken outdoors so a jacket might be required).

14:10-15:10 Lectures:

Helmuth Stachel: Self-motions of the Kokotsakis tessellation

Ileana Streinu: Rigidity and Origami

15:10-15:30 Coffee Break

15:30-17:00 Lectures:

Hans-Peter Schroecker: New Results in Algebraic Kinematics: Linkages, Factorization, Discrete Mathematics

Andrea Micheletti: Engineering Tensegrities: Some Recent Studies

Oleg Karpenkov: Strata of Tensegrity Frameworks

17:30-19:30 Dinner

Evening: free – discussions

Tuesday (tentative: Global Rigidity and related topics)

7:00-9:00 Breakfast

9:00-10:30 Lectures: Topic Global Rigidity, SDP and related topics (more TBA)

10:30-11:00 Coffee break

12:00-14:00 Lunch

14:00-16:00 Discussion: Global Rigidity, SDP and related topics (more TBA)

3:00-3:30 Coffee Break

16:00-17:00 Lectures

17:30-19:30 Dinner

Evening: free and discussion

Wednesday (tentative)

7:00-9:00 Breakfast

9:00-10:30 Lectures (TBA)

10:30-11:00 Coffee Break

11:00-12:00 Lectures (TBA)

12:00-13:30 Lunch

Free Afternoon – no formal activities scheduled

17:30-19:30 Dinner

Thursday (tentative)

7:00-9:00 Breakfast

9:00-10:30 Lectures: tentative - Rigidity for periodic and symmetric structures (more TBA)

10:30-11:00 Coffee Break

11:00-12:00 Lectures: tentative - Rigidity for periodic and symmetric structures (more TBA)

12:00-14:00 Lunch

14:00-16:00 Discussion: tentative - Rigidity for periodic and symmetric structures (TBA)

3:00-3:30 Coffee Break

16:00-17:00 Lectures

17:30-19:30 Dinner

Evening: free and discussion

Friday TBA

7:00-9:00 Breakfast

9:00-12:00 Lectures, open problems

12:00-13:30 Lunch

14:00-16:00 (Tentative) Discussion

Checkout by 12 noon.

** 5-day workshop participants are welcome to use BIRS facilities (BIRS Coffee Lounge, TCPL and Reading Room) until 3 pm on Friday, although participants are still required to checkout of the guest rooms by 12 noon. **