

# Cluster algebras, representation theory, and Poisson geometry

## September 5–9, 2011

### 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, 2nd floor lounge, Corbett Hall

**\*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 Max Bell 159 (Max Bell Building accessible by walkway on 2nd floor of Corbett Hall). LCD projector, overhead projectors and blackboards are available for presentations. 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

#### Sunday

- 16:00** Check-in begins (Front Desk - Professional Development Centre - open 24 hours)  
**17:30–19:30** Buffet Dinner, Sally Borden Building  
**20:00** Informal gathering in 2nd floor lounge, Corbett Hall  
Beverages and a 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 Caroline Green, BIRS Facilitator, Max Bell 159  
**9:00–10:00** Idun Reiten, *Categorification of cluster algebras*  
**10:05–10:35** Coffee Break, 2nd floor lounge, Corbett Hall  
**10:35–11:35** Arkady Berenstein, *Quantum cluster algebras*  
**11:40–13:00** Lunch  
**13:00–14:00** Bernhard Keller, *Quantum dilogarithms and quantum cluster algebras*  
**14:05–14:10** Group Photo; meet on the front steps of Corbett Hall  
**14:10–14:40** Coffee Break, 2nd floor lounge, Corbett Hall  
**14:40–15:40** Tomoki Nakanishi, *T-systems, Y-systems, and cluster algebras*  
**15:45–17:30** Break (Informal discussions)  
**17:30–19:30** Dinner  
**19:30–20:35** Michael Gekhtman, *Informal introduction to Poisson geometry* (unofficial talk)

#### Tuesday

- 7:00–9:00** Breakfast  
**9:00–10:00** Kentaro Nagao, *Motivic Hall algebras*  
**10:05–10:35** Coffee Break, 2nd floor lounge, Corbett Hall  
**10:35–11:35** Michael Gekhtman, *Cluster algebras and Poisson geometry*  
**11:40–13:00** Lunch  
**13:00–14:00** Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall  
**14:00–14:30** Coffee Break, 2nd floor lounge, Corbett Hall  
**14:30–15:30** Hiraku Nakajima, *Cluster algebras and canonical basis*  
**15:35–17:30** Break (informal discussions)  
**17:30–19:30** Dinner

## Wednesday

7:00–9:00	Breakfast
9:00–10:00	Rinat Kedem, <i>Quantum cluster algebras and fusion products</i>
10:05–10:30	Coffee Break, 2nd floor lounge, Corbett Hall
10:30–11:15	Lauren Williams, <i>From shallow water waves to cluster algebras</i>
11:25–12:10	Gregg Musiker, <i>Bases for cluster algebras for surfaces without punctures</i>
12:15–13:30	Lunch
	Free Afternoon
17:30–19:30	Dinner

## Thursday

7:00–9:00	Breakfast
9:00–10:00	Bernard Leclerc, <i>Quantum Grothendieck rings and Hall algebras</i>
10:05–10:30	Coffee Break, 2nd floor lounge, Corbett Hall
10:30–11:15	David Hernandez, <i>Monoidal categorification and tensor binarity property</i>
11:25–12:10	Pavel Tumarkin, <i>Cluster algebras from orbifolds</i>
12:15–13:30	Lunch
13:30–14:30	Pierre-Guy Plamondon, <i>On generic bases for cluster algebras</i>
14:35–15:00	Coffee Break, 2nd floor lounge, Corbett Hall
15:00–15:05	Announcement concerning checkout procedures by Caroline Green, BIRS
15:05–15:50	Sebastian Zwicknagl, <i>Poisson ideals in cluster algebras</i>
16:00–16:45	Milen Yakimov, <i>Spectra of quantum Schubert cells and quantum groups</i>
16:50–17:30	Informal discussion
17:30–19:30	Dinner

## Friday

7:00–9:00	Breakfast
9:00–10:00	Fan Qin, <i>Graded quiver varieties and quantum cluster algebras</i>
10:10–10:55	Greg Muller, <i>Wandering off the cluster tori</i>
10:55–11:30	Coffee/informal discussion (2nd floor lounge)
11:30–13:30	Lunch

### Checkout by 12 noon.

*Time for questions is not included in the time allotted for the talks.*

\*\* 5-day workshops are welcome to use BIRS facilities (2nd Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 3 pm on Friday, although participants are still required to checkout of the guest rooms by 12 noon. \*\*