

Topological methods for aperiodic tilings

October 13 to 17, 2008

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. 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

You are welcome to schedule lectures as you see fit, as long as you adhere to the meal times (noted above), coffee break start and end times (noted below) and take into account the “welcome” on Monday morning, the Banff Centre tour on Monday afternoon and group photo on Tuesday morning.

When your schedule is finalized, please e-mail it to the BIRS Station Manager birmsgr@birs.ca by 12 noon on the Thursday before your arrival.

You are also encouraged to e-mail the schedule to all of your participants. An electronic mail list is offered to each workshop, at the address: <birs event id>@lists.birs.ca. More information about your mail list is available by clicking on the “Mailing List” link on your workshop home page. If there is no such link, and you would like a mail list, please request one at help@birs.ca.

Sunday

- 16:00** Check-in begins (Front Desk - Professional Development Centre - open 24 hours)
Lecture rooms available after 16:00 (if desired)
- 17:30–19:30** Buffet Dinner, Sally Borden Building
- 20:00** Informal gathering in 2nd floor lounge, Corbett Hall (if desired)
Beverages and small assortment of snacks available on a cash honour-system.

Monday

- 7:00– 9:00** Breakfast
9:00–9:15 Introduction and Welcome by BIRS Station Manager
9:15–10:00 Organization
10:00 – 10:30 Coffee Break, 2nd floor lounge, Corbett Hall
10:30 – 11:30 V. Nekrashevych (other workshop)
Self-similarity in groups and tilings
11:30–13:00 Lunch
13:00–14:00 Ian Putnam
C*-algebras and Morita equivalence tutorial
14:00 – 15:00 Lorenzo Sadun
Introduction to aperiodic tilings
(for other workshop)
15:00 – 15:30 Coffee Break, 2nd floor lounge, Corbett Hall
15:30–17:30 Marcy Barge
The state of the art in 1-dimension,
asymptotics in 2-dimensions
17:30 – 19:30 Dinner

Tuesday

- 7:00– 9:00** Breakfast
9:00–10:00 Pierre Arnoux
Generalized substitutions, part 1
10:00 – 10:30 Coffee Break, 2nd floor lounge, Corbett Hall
10:30 – 12:00 Pierre Arnoux
Generalized substitutions, part 2
12:00–13:30 Lunch
13:30– 15:00 free for discussions
15:00 – 15:30 Coffee Break, 2nd floor lounge, Corbett Hall
Lectures
15:30–17:30 John Pearson
Non-commutative geometry
for Cantor sets
17:30 – 19:30 Dinner
20:00 - 21:00 Jean Bellissard
Physics and non-FLC tilings

Wednesday

- 7:00– 8:45** Breakfast
8:45–10:00 Franz Gähler
Computational methods for tiling cohomology
in dimensions 2 and 3
10:00 Group photo, steps of Corbett Hall
10:00 – 10:30 Coffee Break, 2nd floor lounge, Corbett Hall
10:30 – Free

Thursday

7:00– 9:00	Breakfast
9:00–10:00	Natalie Frank Combinatorial verses geometric substitutions and the loss of FLC
10:00 – 10:30	Coffee Break, 2nd floor lounge, Corbett Hall
10:30 – 12:00	Antoine Julien Complexity and cohomology
12:00–13:30	Lunch
13:30–15:00	Oyono-Oyono/Petite Tilings in hyperbolic space
15:00 – 15:30	Coffee Break, 2nd floor lounge, Corbett Hall
15:30–16:30	Jean Savinien PV-cohomology of tilings
15:30–16:30	Lorenzo Sadun (room TBA) What is cohomology?
16:30–17:30	Hervé Oyono-Oyono Non-commutative geometry and tilings
16:30–17:30	John Hunton (room TBA) Pinwheel computations
17:30 – 19:30	Dinner
20:00–21:00	Ian Putnam Smale spaces and tilings

Friday

7:00– 9:00	Breakfast
9:00–10:00	Problems
10:00 – 10:30	Coffee Break, 2nd floor lounge, Corbett Hall
10:30 – 12:00	More problems
12:00–13:30	Lunch

Checkout by 12 noon.

** 5-day workshops are welcome to use the 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. **