Aperiodic Order: Dynamical Systems, Combinatorics and Operators
May 29 – June 3, 2004

MEALS
(Saturday dinner to Thursday lunch are included in workshop)

Breakfast (Continental): 7:00 – 9:00 am, 2nd floor lounge, Corbett Hall, Sunday-Thursday
*Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall, Sunday-Thursday
*Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall, Saturday-Wednesday
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 lunch and dinner.

MEETING ROOMS

All lectures will be held in Max Bell 159. *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

Saturday, May 29

5:30 – 7:30 pm	Buffet Dinner, Donald Cameron Hall
7:30 pm –-	Informal gathering, 2nd floor lounge, Corbett Hall

Sunday, May 30

7:00–8:45 am	Breakfast, 2nd floor lounge, Corbett Hall
8:45–9:00 am	Introduction and Welcome to BIRS, Max Bell 159
9:00–10:00 am	Robert Moody (University of Alberta, Edmonton): "Dynamical systems and the geometry of model sets "
10:00-10:30 am	Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:30 am	Valerie Berthe (Montpellier): "Multidimensional Combinatorics on Words"
11:30 am - 1:00 pm	Lunch, Donald Cameron Hall
1:00 – 2:00 pm	Guided tour of The Banff Centre; meet in the 2nd floor lounge of Corbett Hall
2:00-3:00 pm	Lorenzo Sadun (Univ. of Texas, Austin): "Tilings, Tiling Spaces and Topology"
3:00-3:30 pm	Coffee Break, 2nd floor lounge, Corbett Hall
3:30-4:30 pm	Christian Skau (Trondheim): "K-theoretic classification of dynamical systems"
5:30-7:30 pm	Dinner, Donald Cameron Hall

Monday, May 31

7:00–9:00 am	Breakfast, 2nd floor lounge, Corbett Hall
9:00–10:00 am	Jean-Marc Gambaudo (Dijon): **"**Aperiodic tilings of the Euclidean and the hyperbolic spaces: A comparison from the ergodic point of view "
10:00-10:30 am	Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:00 am	Julien Cassaigne (Marseille): "Subword complexity and periodicity in two or more dimensions"
11:00-11:30 am	Charles Radin (Austin): "Aperiodicity and diffraction spectrum: Stability under thermal perturbation"
11:30 am	Group photo – meet on the front steps of Corbett Hall
11:30 am - 1:30 pm	Lunch, Donald Cameron Hall
2:30-3:00 pm	Shigeki Akiyama (Niigata): "Purely periodic orbits of number systems"
3:00-3:30 pm	Brian Martensen (Austin): "Codimension one embeddings of tiling spaces"
3:30-4:00 pm	Coffee Break, 2nd floor lounge, Corbett Hall
4:00-4:30 pm	Uwe Grimm (Milton Keynes): "Some combinatorial properties of planar model sets"
4:30-5:00 pm	Gerardo Naumis (Mexico): "The use of the trace map as a tool for evaluating localization properties"
5:30-7:30 pm	Dinner, Donald Cameron Hall
8:00 pm	Problem session (open end)

Tuesday, June 1

7:00–9:00 am	Breakfast, 2nd floor lounge, Corbett Hall
9:00–10:00 am	Benji Fisher (Boston College): "Symmetry groups of quasicrystals and their invariants"
10:00-10:30 am	Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:30 am	Daniel Lenz (Chemnitz): "Pure point diffraction via dynamical systems: Characterization and consequences"
11:30 am - 1:30 pm	Lunch, Donald Cameron Hall
	Free afternoon

Wednesday, June 2

7:00–9:00 am	Breakfast, 2nd floor lounge, Corbett Hall
9:00–10:00 am	John Hunton (Leicester): "The Euler characteristic of a projection scheme"
10:00-10:30 am	Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:00 am	Jaroslaw Kwapisz (Montana State U): "Geometric coincidence conjecture and pure discrete spectrum for unimodular tiling spaces"
11:00-11:30 am	Fabien Durand (Amiens): "Eigenvalues of linearly recurrent dynamical systems"
11:30 am - 1:30 pm	Lunch, Donald Cameron Hall
2:30-3:00 pm	Franz Gähler (Stuttgart): "Cohomology of tilings: Examples and counterexamples"
3:00-3:30 pm	Anne Siegel (Rennes): "Substitutive dynamical systems: Combinatorial conditions for pure discrete spectrum"
3:30-4:00 pm	Coffee Break, 2nd floor lounge, Corbett Hall
4:00-4:30 pm	Charles Holton (Austin): "Unique decomposition for substitution tilings"
4:30-5:00 pm	Nicolae Strungaru (Edmonton): "Diffraction of Meyer sets"
5:30-7:30 pm	Dinner, Donald Cameron Hall

Thursday, June 3

7:00–9:00 am	Breakfast, 2nd floor lounge, Corbett Hall
9:00–9:30 am	Jean-Baptiste Gouéré (Lyon): "Pure point diffraction, pure point dynamical spectrum and almost periodicity"
9:30-10:00 am	Jeong-Yup Lee (Edmonton): "Model sets on multi coloured point sets"
10:00-10:30 am	Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:00 am	Chris Phillips (Eugene): "Actions of Z^d: Finite approximations and the structure of the C* algebras"
11:00-11:30 am	Thierry Giordano (Ottawa): "Orbit equivalence of some minimal actions on the Cantor set"
11:30 am - 1:30 pm	Lunch, Donald Cameron Hall

**** PLEASE CHECK-OUT BY 12 NOON
AT THE PROFESSIONAL DEVELOPMENT CENTRE ****