



Banff International Research Station

for Mathematical Innovation and Discovery

The stable trace formula, automorphic forms, and Galois representations
August 17-22, 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.

PRELIMINARY SCHEDULE (final schedule to be decided the week of the workshop)

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

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

7:00-8:45 Breakfast

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

9:00-10:30 S. Morel, On the cohomology of certain non-compact Shimura varieties.

10:30-11:00 Coffee Break, 2nd floor lounge, Corbett Hall

11:00-12:00 J. Arthur, Functorial transfer for classical groups, I

12:00-13:00 Lunch

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

14:30-15:30 J.-P. Labesse, Stable simple base change for unitary groups

15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall .

16:00-17:30 L. Clozel, Simple endoscopic transfer for unitary groups

17:30-19:30 Dinner

20:00-21:00 M. Emerton, p-adically completed cohomology

Tuesday

7:00-9:00 Breakfast
9:00-10:00 J. Bellaïche, Endoscopic tempered points on unitary eigenvarieties
10:00-10:20 Coffee Break, 2nd floor lounge, Corbett Hall
10:20-10:30 Group photo session
10:30-12:00 J. Arthur, Functorial transfer for classical groups, II
12:00-13:30 Lunch
AFTERNOON SESSION ON THE FUNDAMENTAL LEMMA
13:30-14:30 Ngo Dac Tuan, Introduction to B.C. Ngô's proof
14:30-15:30 P.-H. Chaudouard, The fundamental lemma for weighted orbital integrals
15:30-16:00 Coffee Break, 2nd floor lounge, Corbett Hall.
16:00-17:00 T. Hales, Change of characteristic for the fundamental lemma
18:00-19:30 Dinner

Wednesday

7:00-9:00 Breakfast
9:00-10:00 J.-P. Waldspurger, Le lemme fondamental tordu pour les intégrales orbitales pondérées.
10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall
10:30-12:00 C. Moeglin, Local Arthur packets
12:00-13:30 Lunch
Free Afternoon
17:30-19:30 Dinner

Thursday

7:00-9:00 Breakfast
9:00-10:00 E. Lapid, On some aspects of Arthur's non-invariant trace formula
10:00-10:30 Coffee Break, 2nd floor lounge, Corbett Hall
10:30-11:30 E. Mantovan, Integral models for toroidal compactifications of Shimura varieties.
11:30-13:30 Lunch
13:30-14:30 L. Fargues, The p-adic geometry of moduli spaces of abelian varieties and p-divisible groups
14:30-15:00 Coffee Break, 2nd floor lounge, Corbett Hall
15:00-16:00 T. Haines, Test functions for some Shimura varieties with bad reduction
16:15-17:15 S.W. Shin, Construction of Galois representations
17:30-19:30 Dinner

Friday

7:00-8:45 Breakfast
9:00-11:30 Informal Discussions
11:30-13:30 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. **