



# GEOMETRIC GROUP THEORY, GEOMETRIC ANALYSIS AND MAPPING CLASS GROUPS

## SCHEDULE

All talks are held in Kreiger 205

### Saturday, May 3, 2008

- 8:45 – 9:30 Continental Breakfast, Krieger 413  
9:30 – 10:30 Mladen BESTVINA, “PL Morse theory and applications to group theory I”  
10:30 – 11:00 Coffee Break  
11:00 – 12:00 Ursula HAMENSTADT, “Non-existence of lattice embeddings into  $\text{Out}(F_n)$ ”  
12:00 – 2:00 Lunch  
2:00 – 3:00 Benson FARB, “Mapping class groups and moduli space: recent progress and open problems I”  
3:00 – 3:30 Coffee Break  
3:30 – 4:30 Yair MINSKY, “A consistency lemma for curve-complex projections of mapping class groups”  
4:45 – 5:45 Lee MOSHER, “Quasiflats in asymptotic cones of mapping class groups”

### Sunday, May 4, 2008

- 8:45 – 9:30 Continental Breakfast, Krieger 413  
9:30 – 10:30 Benson FARB, “Mapping class groups and moduli space... II”  
10:30 – 11:00 Coffee Break  
11:00 – 12:00 Jeff BROCK, “Asymptotics of Weil-Petersson geodesics: ending laminations, bounded geometry, and dynamics”  
12:00 – 2:00 Lunch  
2:00 – 3:00 Mladen BESTVINA, “PL Morse theory and applications to group theory II”  
3:00 – 3:30 Coffee Break  
3:30 – 4:00 Takuya SAKASAI, “Twisted first cohomology of the pure braid group acting on the first homology of a surface”  
4:15 – 4:45 Jason BEHRSTOCK, “Geometry and rigidity of mapping class groups”  
5:00 – 5:30 Takao SATOH, “On the Johnson homomorphisms of the automorphism group of a free metabelian group”  
6:00 – 7:00 Cocktails, Johns Hopkins Club (North Lounge)  
7:00 – 9:00 Dinner, Johns Hopkins Club (Eisenhower Room)

### Monday, May 5, 2008

- 8:45 – 9:30 Continental Breakfast, Krieger 413  
9:30 – 10:30 Mladen BESTVINA, “PL Morse theory and applications to group theory III”  
10:30 – 11:00 Coffee Break  
11:00 – 12:00 Benson FARB, “Mapping class groups and moduli space... III”  
12:00 – 1:30 Catered lunch, Krieger 413  
1:30 – 2:30 Shin NAYATANI, “Fixed-point property of random groups via energy of maps”  
2:45 – 3:45 Anders KARLSSON, “Geometric boundaries beyond  $\text{CAT}(0)$  and Gromov hyperbolicity”  
4:00 – 5:00 Yoshikata KIDA, “Orbit equivalence and mapping class groups”