

# GEOMETRY–TOPOLOGY SEMINAR

**Ken Shackleton**

University of Tokyo

will speak

## **On the coarse geometry of Teichmüller space**

ABSTRACT: We discuss the synthetic geometry of the pants graph in comparison with the Weil–Peterson metric, whose geometry the pants graph coarsely models following work of Brock’s. We also restrict our attention to the 5–holed sphere, studying the Gromov bordification of the pants graph and the dynamics of pseudo–Anosov mapping classes.

TUESDAY, 16 MARCH 2010

LECTURE AT 3:30 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS