Chris Atkinson
Temple University
will speak on

**A combinatorial lower bound on the volume of hyperbolic Coxeter polyhedra**

ABSTRACT: I will describe how to compute a lower bound on the volume of certain hyperbolic polyhedra in terms of the combinatorics of their 1–skeleta. The lower bound is an application of, among other things, Schlӓfli’s formula, a combinatorial description of the geometric decomposition of right–angled reflection orbifolds, and a classification of Seifert–fibered reflection orbifolds.

**Tuesday, 26 January 2010**
**Lecture at 3:30 pm**
**Room 617, Wachman Building**
**Department of Mathematics**