THE DEPARTMENT OF MATHEMATICS PRESENTS

A COLLOQUIUM

THURSDAY, MARCH 2, 4:00–4:50PM
BOND HALL 227

SPEAKER: Vasu Tewari (UW)
TITLE: Ascents and descents on binary trees and hyperplane arrangements

ABSTRACT: The descent statistic on permutations was introduced by MacMahon in the early 1900s, and has appeared in various parts of mathematics since. We will discuss a generalization of this statistic to labeled binary trees, and discuss connections with areas as diverse as enumeration of rook placements to symmetric group actions on hyperplane arrangements.

Refreshments provided by the department