

## **Discrete Mathematics Seminar**

Time: Friday, 14 November 2014, 2:00-3:00 PM  
Room: 237 Derrick Hall  
Title: Matroids, Tutte Polynomial and a conjecture of Stanley  
Speaker: Dr. Suho Oh, Mathematics Department

### Abstract:

Matroids are well studied objects that captures the topological information of many combinatorial, non-combinatorial objects. In this talk, I will give an introduction to matroids, and introduce a 30-year old conjecture by Stanley regarding the h-vectors of a matroid, which is a valuation of the Tutte polynomial. The only prerequisite for this talk will be linear algebra.