Discrete Mathematics Seminar
October 8, 2015, 10:30 a.m., Ross N638

SPEAKER: Mike Zabrocki, *York University*

TITLE: Discrete Structures and Symmetric Group Characters

ABSTRACT: I'll introduce some of the elementary building blocks of combinatorics like partitions, multi-sets, set partitions, set compositions, permutations, Lyndon words and tableaux. We can compose the elementary building blocks to create more complex combinatorial structures (e.g. multi-set partitions of a multi-set). Next I'll show how these elements appear in a basis of the symmetric functions related to the irreducible characters of the symmetric group.