

RYERSON UNIVERSITY
DEPARTMENT OF MATHEMATICS
GRAPHS AT RYERSON (G@R) SEMINAR

Dr. Bill Kay

Department of Mathematics, Ryerson University

Date: Thursday, October 25, 2018

Time: 10am

Location: ENG 210

**Extremal Problems for Graphs and
Hypergraphs**

Abstract:

In this talk, I will discuss two extremal problems which served as the basis of my Ph.D. thesis. One establishes the chromatic number for the *generalized shift graphs*, which were introduced by Erdős and Hajnal in the 60's. the other examines an extremal property (Property O) for directed hypergraphs which is related to bipartite hypergraphs (Property B).

The first project was joint work with Christian Avart, Christian Reiher, and Vojtěch Rödl. The second project was joint work with Dwight Duffus and Vojtěch Rödl.

ALL FACULTY, STAFF, STUDENTS AND GUESTS ARE WELCOME TO ATTEND