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University of Lethbridge  
*Department of Mathematics and Computer Science*

## *Colloquium*

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**Speaker:** Hadi Kharaghani

**Title:** On a Class of Strongly Regular  
Graphs

**Date:** Friday January 19<sup>th</sup> 2001

**Time:** 11:00 a.m.

**Room:** C589

**Abstract:**

This talk is a report of my study leave. I have given this talk a few times for general audience and I am sure everyone can follow this talk. The talk is about a construction method for a symmetric  $(0,1)$ -matrix  $H$  with zero diagonal of order 936 in such a way that  $H^2$  has 375 on its main diagonal and 150 elsewhere. A little of finite field theory, finite group theory, computer search and hard work are the main ingredients of the construction method.

***ALL ARE WELCOME***