

# Lethbridge Number Theory and Combinatorics Seminar

Monday — March 6, 2017

Room: B660

Time: 12:00 to 12:50 p.m.

# Hadi Kharaghani

## An association scheme for twin prime powers

*Abstract:* Twin prime powers are used in the construction of some very interesting combinatorial objects. In an old paper they are used in the construction of regular Hadamard matrices. In a recent work, they are used to show the existence of an infinite class of Hadamard matrices lacking a certain algebraic structure.

In this talk I will discuss the use of twin prime powers in order to show the existence of a class of translation commutative association schemes. I will use the twin primes 3 and 5, as an example, to make the talk accessible to everyone.

**EVERYONE IS WELCOME!**

Visit the seminar web page at

<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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