

# Number Theory & Combinatorics Seminar

Monday—October 1, 2012

Room: **C620**

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

*Not our  
usual room!*

*Speaker:* Dave Morris (University of Lethbridge)

*Title:* Hamiltonian paths in solvable Cayley digraphs

*Abstract:* Cayley graphs are very nice graphs that are constructed from finite groups. If the group is abelian, then it is easy to show that the graph has a hamiltonian cycle. It is conjectured that the nonabelian Cayley graphs also have hamiltonian cycles.

We will discuss a few recent results (both positive and negative) on the related problem where the graph is replaced by a directed graph, and the finite group is assumed to be solvable (which means it is not too far from being abelian).

**EVERYONE IS WELCOME!**

Visit the seminar web page at

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