



## STUDENT SEMINAR

Speaker: **STEPHEN NSOH**

Date: **March 2, 2012–12:00 to 12:50 p.m.**

Room: **C674**

*TITLE: Resource Allocation in Wimax Mesh Networks*

**Abstract:** Wimax mesh networks hold the promise of providing wider coverage and supporting higher data rates for broadband wireless internet services. A Wimax mesh network consists of a base station and several subscriber stations. The base station has a wired connection to the internet and subscriber stations have to relay their traffic to the base station through multihop transmission. Two main design challenges need to be addressed in these networks: (1) construction of a routing tree that shows the flow of traffic in the network; (2) scheduling links in the tree so as to maximize system throughput. In this talk, we present algorithms for both routing and scheduling which are currently being studied for my thesis work.

### ***SOME REFRESHMENTS***

Student seminar website:

<http://www.cs.uleth.ca/~kadiri/student-seminar.html>