

2012/2013  
**Seminar  
Series**

[www.cs.unb.ca/  
seminarseries](http://www.cs.unb.ca/seminarseries)

**Managing Concurrency with  
Software Transactional  
Memory**

By:

**Angus Fletcher  
Faculty of Computer Science  
Final Year, BCS**

Concurrency is a topical, hard problem in computer science. As more software systems come to require concurrent solutions we must examine the traditional methods for managing concurrency and the problems associated with it. This seminar aims to introduce and explore the problems associated with concurrent computation as well as examine one of the many proposed solutions. Software Transactional Memory is one family of solutions, characterized by optimistic treatments of threads and validation of transactions. We will explore one implementation of STM in Clojure's ref construct.

Angus Fletcher is an undergraduate student in his final semester of his Bachelor of Computer Science at UNB. He is currently working part-time for Introhive. He is enthusiastic about learning languages and techniques for problem solving. He also rides bikes.

**Wednesday, February 27 @ 3:30pm  
Gillin Hall, GC122**