COMP 4009: Parallel Programming for Clusters and Multi-Core Processors

Announcements

• Midterm: Tuesday, October 30, in class

Course Outline

Introduction to parallel architectures, programming languages and algorithms for processor clusters (clouds) and multi-core processors. Distributed memory architectures, cluster/cloud computing, message passing parallel programming, multi-core processors, shared memory parallel programming, use of thread libraries, parallel performance analysis. Prerequisites: COMP 2402, COMP 2404, COMP 3000.