

UD Computational Science Day 2006

February 14, 2006

CISC 879 / PHYS 838 -  
Parallelization for Scientific Applications

Lori L. Pollock

Department of Computer and Information Sciences  
University of Delaware  
Newark, DE 19716

**Abstract**

This poster describes a course created and cotaught by Professor Lori Pollock in Computer and Information Sciences and Professor William Matthaeus in Physics and Astronomy. The overall goal of the course is to bring together computer scientists and physicists to collaborate on the parallelization of scientific software applications. The course is run as a problem-driven study of problem and data decomposition techniques for parallel computation, focusing on real world scientific applications.