

Agenda for Introduction to Parallel Computing on Lonestar

Day 1 (Monday, October 22, 2012)

08:30-08:45 TACC Overview

08:45-09:45 Introduction to Parallel Computing

09:45-10:00 Break

10:00-11:00 User Environment

11:00-11:30 Lab 1 (User Environment)

11:30-12:30 Lunch

12:30-13:50 OpenMP Programming

13:50-14:30 Lab 2 (OpenMP)

14:30-14:45 Break

14:45-16:10 MPI Programming

16:10-17:00 Lab 3 (MPI)

Day 2 (Tuesday, October 23, 2012)

09:00-10:00 TACC Systems Review

10:00-11:00 Hybrid Computing

11:00-11:15 Break

11:15-12:00 Lab 4 (Hybrid)

12:00-13:00 Lunch

13:00-14:00 Optimization & Scalability

14:00-15:00 Lab 5 (Optimization)

15:00-15:15 Break

15:15-16:30 Profiling/Debugging & Demo