

Agenda - Parallel Computing on Stampede

Day 1 (Thursday, September 19, 2013)

Morning (Basics)

08:30-08:45 Welcome and Introductory Remarks

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

Afternoon (Programming)

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 (Friday, September 20, 2013)

Morning

08:30-09:00 TACC Systems Review

09:00-09:30 MIC Overview (Xeon Phi Coprocessor)

09:30-10:30 Hybrid Computing

10:30-10:45 Break

10:45-12:00 Lab 4 (Hybrid)

12:00-13:00 Lunch

Afternoon

13:00-14:00 Optimization & Scalability

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

15:00-15:15 Break

15:15-16:30 Profiling/Debugging