

## **Agenda - Parallel Computing on Stampede**

Day 1 (Thursday, Jan 10, 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, January 11, 2013)

Morning (Advanced)

08:30-09:00 TACC Systems Review

09:00-10:00 Optimization & Scalability

10:00-10:15 Break

10:15-11:00 Hybrid Computing

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

12:00-12:45 Lunch

Afternoon (Co-processing with MIC)

12:45-13:30 MIC (Xeon Phi Coprocessor)

13:30-14:30 Native Computing (& Optimization)

14:30-14:45 Break

14:45-15:15 Symmetric Computing

15:15-16:15 Offloading

16:15-17:00 Lab 5 (MIC)