

# Introduction to Parallel Computing on Ranger and Lonestar

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## Agenda

### Day 1 (Monday, February 6)

08:30-08:45 TACC Overview (John Cazes)  
08:45-09:45 Introduction to Parallel Computing (Frank Willmore)  
09:45-10:00 Break  
10:00-11:00 User Environment (Robert Mclay)  
11:00-11:30 Lab 1 (User Environment)  
11:30-12:30 Lunch  
12:30-13:50 OpenMP Programming (Lars & Kent)  
13:50-14:30 Lab 2 (OpenMP)  
14:30-14:45 Break  
14:45-16:10 MPI Programming (Ritu Arora)  
16:10-17:00 Lab 3 (MPI)

### Day 2 (Tuesday, February 7)

09:00-10:00 TACC Systems Review (John Lockman)  
10:00-11:00 Hybrid Computing (Hang Liu)  
11:00-11:15 Break  
11:15-12:00 Lab 4 (Hybrid)  
12:00-13:00 Lunch  
13:00-14:00 Optimization & Scalability (Carlos Rosales)  
14:00-15:00 Lab 5 (Optimization)  
15:00-15:15 Break  
15:15-16:30 Profiling/Debugging & Lab 6 (Profiling & Debugging) (Yaakoub El Khamra)

## Instructors

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