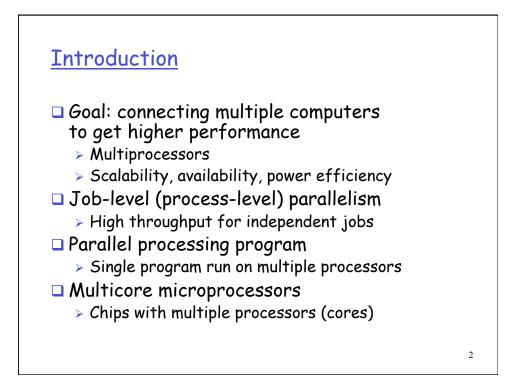
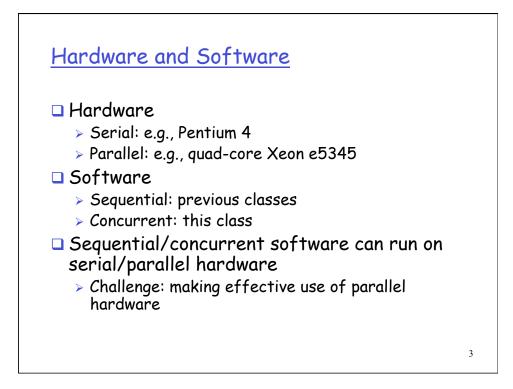
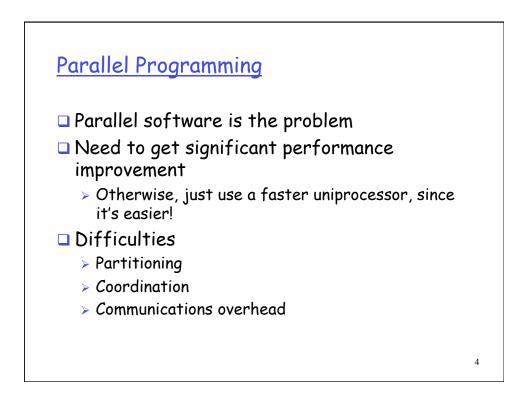
Using Threads for Parallelism

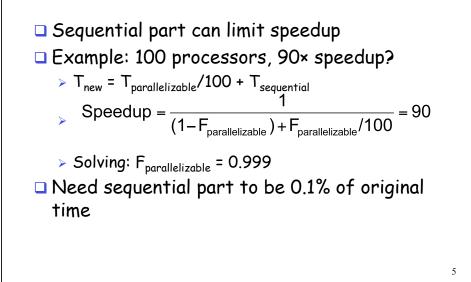
CS 475

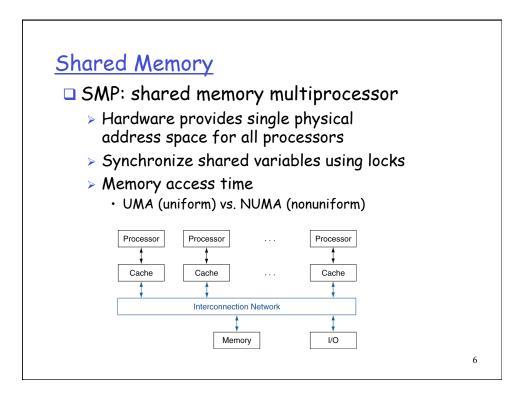


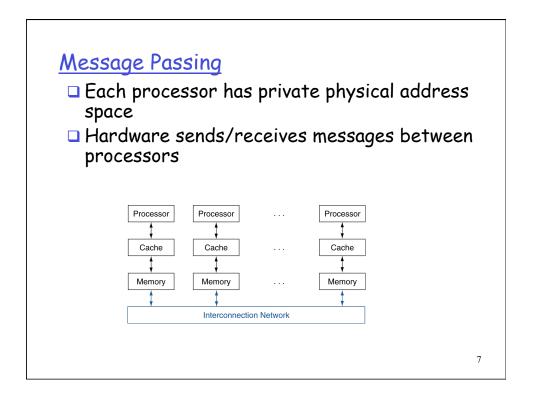


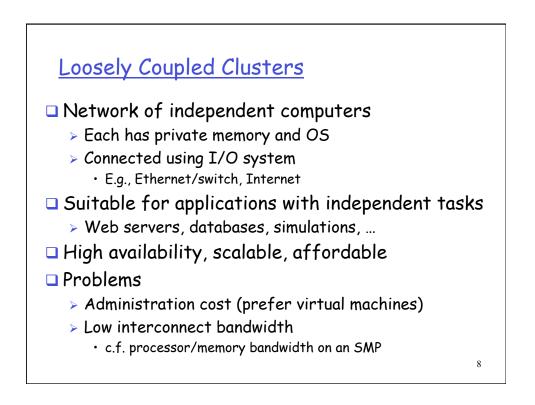














- Separate computers interconnected by long-haul networks
 - > E.g., Internet connections
 - > Work units farmed out, results sent back
- □ Can make use of idle time on PCs
 - > E.g., SETI@home, World Community Grid



- Shared memory multiprocessors, multicores
- Two common approaches
 - Partition "work" into t portions and then assign each of t different threads to work on its own region
 - > "Bag of tasks" approach
 - When partitioning work equally among threads in advance is difficult

10

9

