Riley Densley
CS 6900

Dr. Dan Watson

1. What are the major research areas of the presenter?
    a. Parallel Programming
2. List the names of the projects that the presenter's research group did in the pastor has been doing recently.Among these projects, which project is the most appealing to you and which project is the least appealing to you? Why?
    a. He did not talk about any projects.
3. List two researchers in the other universities who has the same research interests as the presenter.
    a. Professor Torsten Hoefler from ETH Zurich
    b. Professor Sarita Adve from University of Illinois
4. Summarize two most interesting research projects from each of the two researchers.
    a. Professor Torsten Hoefler focuses on understanding many things in the parallel programming world from performance of the parallel system to parallel algorithms. He worked on a paper that talked about using the MPI system to topology mapping and when the new MPI system was released how the new system aided to the topology better. He also studies more about the MPI system and about its benefits and faults as he tries to push this system to its limits.
    b. Professor Sarita Adve worked on one project that focused on efficiently exploiting and implementing parallelism. Specifically focusing on memory hierarchy for disciplined parallel systems. The current way parallelism is used the shared memory use in chaotic and unstructured. This complicates hardware and makes the system harder to maintain. The research focuses on how a more disciplined system for shared memory can make the entire system more powerful and have better performance.