

NewsNote for 9/13/04 LLT Meeting:**Petaflops, NASA, Supercomputing, and Red Storm**

1. Our proposal to DOE Office of Science for runtime systems software for petaflops computing is reportedly approved for 3-year funding starting FY05. Our collaborators are Caltech and the University of New Mexico. This, along with the continuing funding for scalable systems software, increases DOE Science funding to over \$1M per year for systems software.
2. We have been selected by NASA to submit a full proposal for a ground based supercomputing system for design and analysis of ambitious NASA missions.
3. We are hosting a Workshop on the future of supercomputing in October 2004 in Santa Fe. Our continued research into future supercomputing suggests that there will be increasing needs. These include enhancing confidence in the results of our simulations of the nuclear stockpile stewardship, earthquake prediction, and climate modeling. The answers with high confidence may require zettaflops (10^{21} floating point operations per second) capability.
4. With the upcoming Red Storm, Sandia has re-joined the Cray User Group, and is hosting its annual conference in May 2005 in Albuquerque. (Neil D. Pundit, Ph.D., 9223)