

Tri-Lab Linux Capacity Cluster Availability:

Whitney, Sandia's Tri-Lab Linux Capacity Clusters (TLCC) located at the Sandia California site, achieved general availability on the SCN Wednesday, March 18. TLCC is a joint effort involving Sandia, Los Alamos and Lawrence Livermore national labs. The systems will principally be used to provide needed computational support to NNSA's nuclear weapons programs. Whitney provides Sandia/California with a Linux high-performance cluster totaling 38 teraflops peak. In partnership under the TLCC program, Sandia/New Mexico has two clusters (Glory and Unity) totaling 76 teraflops. The clusters use AMD quad-socket quad-core processors with Infiniband DDR interconnects. *Submitted by Jerry Friesen, 8963, 925-294-3144*

OVIS team to receive Best Paper award at IEEE IPDPS/SMPTS Conference:

Jim Brandt, Ann Gentile, Jackson Mayo, Philippe Pebay, Diana Roe, David Thompson, and Matthew Wong (8963) will be receiving the Best Paper Award for their article "Resource Monitoring and Management with OVIS to Enable HPC in Cloud Computing Environments" at the Workshop on System Management Techniques, Processes, and Services at the IEEE International Parallel and Distributed Processing Symposium. The work presents research in applying advanced resource monitoring, analysis, and configuration capabilities, such as those provided by, or enabled by, Sandia's OVIS (<http://ovis.ca.sandia.gov>) tool to cloud computing environments. *Submitted by Philippe Pebay, 8963, 925-294-2024*

Paul Miles (8362) has been appointed an adjunct professorship at Lund University in Sweden:

Lund is one of the top universities in the world conducting research to support the development of advanced, high-efficiency engines for transportation. Paul will be mentoring students and working with students and staff to conduct engine combustion related research several weeks a year. The collaboration will also involve Lund students visiting Sandia to participate in our research programs. Our DOE Office of Vehicle Technologies sponsor is extremely supportive of this mutually beneficial collaboration. Costs associated with the collaboration will be shared by DOE and by Lund through funds provided for this effort by Scania AB, manufacturer of heavy vehicles in Sweden. *Submitted by Dennis Siebers, 8362, 925-294-2078*

W87 JTA:

A W87 JTA4 mid-section (Unit 402) was successfully assembled with its DoD components at Vandenberg Air Force Base in preparation for a May 2009 Flight Test. This is the program's second production unit and will be mated to a Minuteman III ICBM and designated as Mission GT195. The migration of the W87 to the Minuteman ICBM under the Safety Enhanced Reentry Vehicle (SERV) program has eliminated opportunities for the Air Force to gather data using their 5T flight test vehicle. The JTA4, in addition to collecting DOE data, collects 5T type data for the Air Force thereby making the most of the limited flight test opportunities without losing any critical information. *Submitted by Mark McConkie, 8231, 925-294-3064*

Congressman Jerry McNerney visits SNL/CA:

On April 20, 2009, CA State Representative Jerry McNerney (D-11) and his local Director of Constituent Services, Christopher Magana, visited the California site for a introduction and overview of Sandia's energy programs. Terry Michalske and Andy McIlroy hosted the tour of laboratories in the Combustion Research Facility (CRF). Representative McNerney, a former contractor at Sandia/NM who has a PhD in mathematics, joined the powerful Energy and Commerce Committee this session of congress. Representative McNerney was recently elected a Fellows member of the American Society of Mechanical Engineers (ASME) in recognition of exceptional engineering achievements and contributions to the engineering profession, which is the highest elected grade of membership from this prestigious organization. Almost a third of Sandia Californians live in his district. *Submitted by Karen Scott, 12122, 925-294-3760*