



Workshop #1

[High Availability and Performance Computing Workshop](#) (HAPCW2006)
[\[Workshop Program\]](#)

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We realize that many organizations require tremendous computing power to solve their important problems such as Energy, Climate, Fusion, Biology, and Nanotechnology. These non-trivial problems are usually characterized by massive and long running applications. Thus, Reliability, Availability and Serviceability (RAS) management is an increasingly paramount aspect in many computing environments. RAS management goals are to maximize uptime and therefore complement High End Computing (HEC) objectives by preventing performance degradation and spectrum availability.

High Availability (HA) Computing has always played a critical role in commercial mission critical applications. Likewise, High Performance Computing (HPC) has equally been a significant enabler of the R&D community because their scientific discoveries. Serviceability aims toward effective means by which corrective and preventive maintenance can be performed on a system. Higher serviceability improves availability and helps retaining quality, performance and continuity of services at expected levels. Together, the combination of HA, Serviceability, and HPC will clearly lead to even more benefits to critical shared major HEC resource environments.

The 2006 HAPCW will be the 4th consecutive workshop held in conjunction with the LACSI event. The attendance and submissions have increased every year since the workshop inception (HAPCW 2003).