

## **The PacCAF Grid portal for the CDF experiment**

**Suen Hou**

Academia Sinica, Taiwan

We report on the distributed computing model of PacCAF (Pacific CDF Analysis Farm) for the CDF (Collider Detector at Fermilab) experiment. The PacCAF is a portal for job submission to a pool of compute nodes collected from LCG (LHC Computing Grid) and OSG (Open Science Grid) sites in the Pacific Asia region. It has a suit of services for user authentication, software distribution, and network connection to worker nodes. It also provides a web based online monitoring system for the status of batch jobs and the processes running on worker nodes. The PacCAF architecture is modular and is easy to be modified. We discuss the upgrade from being a dedicated local cluster to joining shared resources in a Grid computing environment.

