



## High Performance Computing in the Cloud

### Using Penguin Computing on Demand (POD)

**Thursday, June 16<sup>th</sup>, 2011 in Keith Spalding (Bldg 6) Room 415 @ 9:00**

As part of the third annual Greater IPAC Technology Symposium, we've arranged for Penguin Computing, a Linux clustering company with a wide range of customers in business, government and academia (including Caltech and JPL), to present a half day seminar on POD, Penguin Computing on Demand. This is Penguin's public cloud resource for High Performance Computing, and is currently being used by IMSS at Caltech.

POD provides high performance computing capabilities on an as-needed basis (HPCaaS – high-performance-computing-as-a-service), allowing projects or even individual scientists to rent (on a cpu-hour basis) only those resources they need to perform a task.

This seminar includes a general introduction of POD, presents how to access and use POD, reviews of several case studies of current and previous users, and concludes with a hands-on demonstration of staging data and submitting jobs using "PODShell", a new tool developed in conjunction with Caltech.

So that we can know how many handouts to put together, please RSVP with Tom Handley ([thh@ipac.caltech.edu](mailto:thh@ipac.caltech.edu)).