

## RESEARCH COMPUTING HOSTING in FORSYTHE HALL

IT Services announces the availability of high-performance computing hosting space in a newly remodeled section of Forsythe Hall. The research computing space is about 5,100 SF and can host approximately 68 server racks (16 kW).



This is the first centralized space on campus designed from the ground up for the hosting of high-density racks specifically for research computing. Toward this end, the space is designed to accept vendor pre-racked equipment as the preferred method for deployment. Racks and power distribution units are available at additional cost when the researcher has pre-existing rack-mounted servers needing space.

- To make best use of the installed resources, preference is given to researchers with higher density, full racks of equipment.
- The researcher and/or their staff are responsible for deployment of racks, servers, within- and across-rack networking, storage, and other hardware needs.
- IT Services staff will work with the researcher and/or their staff during and after the grant-writing process to ensure appropriate equipment is specified for Forsythe Hall.

The service includes:

- Assistance in specifying equipment, coordinating purchases, and planning deployment
- Space for standard vendor-populated racks; pre-existing standard racks are also available
- 10 GB network connection to the campus backbone and the researcher-provided switch
- Secured entry
- 7x24 monitoring of environmental control systems
- Fire detection and suppression systems; water intrusion sensors
- Power for installed equipment with visual usage information
- An Uninterruptible Power Supply (UPS) to protect against power anomalies and standby generator to maintain normal operations during a utility outage

\$2,500 / year per 16 kW researcher-provided rack

\$3,000 / year per 16 kW IT Services-provided rack

For additional details, please contact Phil Reese ([preese@stanford.edu](mailto:preese@stanford.edu))

STANFORD  
UNIVERSITY

INFORMATION TECHNOLOGY SERVICES

MAY, 2012