Computing & Communications Research Support

Computing & Communications has launched a cyberinfrastructure initiative to meet the increasing demands of research for high-performance computing, high-performance networking, and data storage. It also aims to support collaborative, team-based research methods that draw upon expertise and pooled resources regardless of geographic locations. The department has implemented a grid network to allow for readily available, easily accessible storage and computing resources.

Computational Clusters http://iresearch.ucr.edu/cluster.html

Take advantage of UCR's high-speed parallel processing to carry out intensive tasks that would normally require a supercomputer or mainframe.

Departmental Clusters

Departmentally maintained clusters are customized to PI/lab/center specifications for researchers whose computing needs fall outside of campus cluster standards.

Dedicated Clusters

Centrally hosted dedicated clusters are designed to meet the needs of research labs, research centers, and PIs with relatively substantial computing requirements.

Collaborative Clusters

Collaborative computational clusters are a shared system for researchers with limited resources who occasionally or regularly use high end processing.

Academic Colocation Facility http://iresearch.ucr.edu/colo.html

UCR's Computing and Communications (C&C) has embarked on a partnership with other organizations on campus to provide a sophisticated co-location facility to provide state of the art environmentals, backup infrastructure, and physical security for systems owned and managed by non-central IT staff.

Science DMZ

Dedicated bandwidth to a "science demilitarized zone" capable of high performance data processing optimized for researchers who need to rapidly move very large amounts of data.

Illustration & Graphic Design for Grants Proposals http://cnc.ucr.edu/amd/graphics.html

Application and Multimedia Development (AMD) can enhance your grant proposals, presentations, publication material, videos and animations with state-of-the-art 3D graphics. Tapping the professional artistry of AMD computer graphics staff can bring superior levels of clarity and sophistication to your presentations or grant proposals.

Networking http://iresearch.ucr.edu/network.html

Network Services will create wired or wireless networks to support short term research needs, help troubleshoot or advise on networked applications, or help design private networks for research computing needs in labs, in data center environments, across campus, or between campuses. The department also offers assistance with infrastructure planning to include space, electrical power and cooling for cluster equipment.

Computing & Communications: http://cnc.ucr.edu

Teaching, Learning & Instructional Support: http://iteach.ucr.edu/

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