

## EECS Instructional Computing and Labs Instructional Support Group & Electronics Support Group

### ISG/ESG

The **EECS Instructional Support Group (ISG)** and **Electronics Support Group (ESG)** provide technical services for the EECS instructional computers, labs, electronics, instrumentation, and audio-visual facilities. Services for the instructional labs are funded from departmental and state instructional sources.

<b>Offices and Staff:</b>	377 Cory	642-7481	ESG: Ming Wong, Pete Caragher, Winthrop Williams, Skot Croshere, Eric Arvai
	380 Cory	642-6952	ESG: Katherina Law
	333 Soda	642-9543, 642-1637	ISG: Marcelino Enriquez
	384 Cory	643-6096	ISG: Linda Huang
	386 Cory	643-6138	ISG: Erik Rogers
	378 Cory	643-6141	ISG: Kevin Mullally

**Resources:** See <http://inst.eecs.berkeley.edu/labs.html> for the names and locations of servers and labs

	<b>Computers:</b>	<b>Access:</b>
<b>Linux</b>	8 Intel Xeon login servers – Centos (Bcom*) 8 HP Xeon login servers – Centos (Hpse*) 8 HP Xeon login servers – Ubuntu (Ashby, etc) 26-node Intel Xeon cluster – Debian (Icluster*) 12 Intel Xeon workstations in 125 Cory 20 Lenovo “Tiny” workstations in 125 Cory 9 Lenovo “Tiny” workstations in 119 Cory 29 Dell 9020 workstations in 330 Soda 14 Dell 9020 workstations in 349 Soda 130 Intel NUC workstations in 271, 273, 275, 277 Soda	ssh ssh ssh reserved for certain classes reserved for certain classes reserved for certain classes reserved for certain classes 24-hour access 24-hour access 24-hour access
<b>Microsoft Windows</b>	8 HP Xeon login servers – Win 2008 (Wserver*) 6 Intel NUC workstations in 199 Cory 140+ ZT or Intel Xeon workstations in 105, 111/117, 119, 125, 140, 204, 218 Cory	Remote Desktop, IIS, video streaming 24-hour access reserved for certain classes
<b>Solaris</b>	9 Sun Enterprise login servers – Solaris SPARC 8 Intel Xeon login servers – Solaris x86 7 Intel Xeon application servers – Solaris x86	ssh ssh homedirs, WEB, email, dumps
<b>MacOS</b>	30 MacPros (x86) in 200 Dai Hall	reserved for certain classes
<b>electronics labs</b>	in 111/117, 119, 125, 140, 204, 218 Cory	reserved for certain classes
<b>remote access</b>	see <a href="http://inst.eecs.berkeley.edu/connecting.html">http://inst.eecs.berkeley.edu/connecting.html</a> for information about remote access	



## EECS Instructional Computing Facts

We support computer accounts for about 10500 students in 100 courses each semester, and for 2050 EECS majors. (Enrollment in EE and CS classes has increased by 180% since 2009.) We support about 400 workstations in 16 labs for students in EE and CS courses. The ratio of students to workstations is about 26:1. (Often, students can use their own laptops.) Typically, each student is issued at least 1GB of disk space for storage of files and projects for classes. Each student has a WEB site address on our server. Remote login access is available to the students at all times. A large selection of course-related software for home computers can be obtained by students for free.

The budget for software and equipment (ie excluding salaries) from state 19900 funds averages about \$12 per student per semester. In addition, we often receive generous equipment and software grants. The department funds 10 career staff to support the instructional computers and labs facilities.

## Instructional Computer Accounts

Students in EE and CS classes are eligible for "EECS Instructional" computer accounts. These are distinct from the "EECS Departmental" computer accounts (below), with different passwords, labs, printers and mail server. Instructional "class" accounts are often distributed in class by the instructor, are configured for specific class software and expire at the end of the semester. Classes that do not need specialized accounts use the Instructional UNIX "named" accounts, which students request using the "newacct" (password: 'newacct') login utility. All EECS and CS undergraduates are eligible for Instructional "named" accounts that will not expire until after they graduate.

## EECS Departmental Computer Accounts

EE and CS faculty, grad students, staff and visiting scholars can obtain an "EECS Departmental" (research) computer account, which includes UNIX and Windows computer accounts, an IMAP email account, calendar, shared software and other server-based services. The services are described in <http://iris.eecs.berkeley.edu/>. These accounts are funded by a recharge fee. The Departmental accounts are accessed from workstations in offices and research labs in Cory and Soda Halls. The accounts are not available to students who are not EE or CS post-graduates. Eligible users can ask the systems administrators of their research group or CUSG to help them obtain an "EECS Departmental" account.

## CUSG

The **Computer User Support Group** (CUSG) is an EECS group that supports research and departmental computers, such as for systems in one's office. These services are typically funded by recharging the user. The main office of CUSG is in 395 Cory (642-8633, [cusg@eecs](mailto:cusg@eecs), <http://cusg.eecs.berkeley.edu/>).

## Additional Computer Resources on Campus

Additional facilities are available from the **Information Systems and Technology** (IS&T) group. IS&T provides user support and consulting at User Services, <http://ist.berkeley.edu/support/service-desk/>, (510-642-8500) and at the Student Computer Consulting Service, in the Cesar E. Chavez Student Center (formerly the Golden Bear Center) in Lower Sproul Plaza.