Using the VISE Workstations from a Remote Location
October 6, 2010

The following describes the rules and procedure for using the workstations in the Video and Image Systems Engineering (VISE) Laboratory from a remote computer. This procedure is intended for use during the times when the lab is locked. Please read and follow the rules before using the computers remotely.

1   Rules for Remote Users

1. ALWAYS nice all your jobs by typing "`nice +10`" immediately after logging in. Jobs that are not niced, unless the owner is currently logged onto console, are subject to termination.

2. Don't run multiple jobs that are computationally intensive and/or memory intensive (i.e. Matlab).

3. ALWAYS exit your programs by typing or selecting "quit", rather than closing the window, especially for Netscape, Acroread, Matlab and the Matlab editor. If the windows are simply closed without properly exiting the programs, they often stay resident in memory.

4. Don't send print jobs to the VISE printers from a remote location. You should be in the lab when you send a print job.

5. Only log into machines that are listed in the instructions below.

2   Instructions for Remote Use

The following instructions are written with the assumption that the user has a general ECE account, and is using one of the many SUN workstations in the ECE computing lab in MSEE 189, however the same procedure may work for any computer running UNIX. Computers running Windows NT will **not** work for this purpose.

1. Log into a SUN workstation in MSEE 189 using your general ECE computing account login. Open up a terminal window by clicking the terminal icon on the control panel. Determine the name of the local computer by typing "`hostname`" at the UNIX prompt.

2. Select a VISE workstation to log into. Find a workstation that is not currently being used by someone by typing the command similar to

   `finger @vise15.ecn.purdue.edu`

   At present, the operational workstations are *vise2.ecn.purdue.edu, vise3, vise4, ..., vise37*. If the subsequent procedure doesn't work for the machine you choose, try a different one.

3. Lets assume you choose to log into *vise15.ecn.purdue.edu*. Add the selected VISE workstation to the local *access control list* by typing

   `/usr/X11R6/bin/xhost vise15.ecn.purdue.edu`

   in the terminal window. You only have to do this once per session.

4. Now log into the VISE workstation with the command

   `rlogin vise15.ecn.purdue.edu`.

   Then enter your VISE account login and password.

5. So that you don't load the system down, type "`nice +10`" at the VISE UNIX prompt.

6. Reset the DISPLAY variable on the VISE workstation to the name of the local computer, which you determined in step 1. Assuming the local computer is *sun.ecn.purdue.edu*, do this by typing "`0`" at the

   `setenv DISPLAY sun.ecn.purdue.edu:0`

   at the VISE UNIX prompt. Make sure you use CAPS for the variable name as shown, and remember the ":0" at the end.

   This should allow you to use a VISE workstation as you would in the lab. If you want another terminal window from the VISE machine, open a terminal window locally and follow the instructions from step 4.