

National Tsing Hua University
Department of Electrical Engineering
EE429200 IC Design Laboratory, Fall 2021

Lab 01: Workstation (0%)

Assigned on Sep 16, 2021

Due day on **Sep 23, 2021**

Objective

In this lab, you will learn:

1. How to use the workstation.
2. Setup your own station environment.

Environment Setup

1. Copy the default *.tcshrc* into your home directory (Remember the last dot).

```
$ cd ~  
$ cp ~ee4292/iclab_tcshrc.txt .  
$ cat ./iclab_tcshrc.txt >> ~/.tcshrc
```

Note: If you already have a *.tcshrc* file and you do not want to overwrite it, you can add only the CAD tools related lines to your own *.tcshrc* file.

2. Login in *wsXX* (XX for EE workstation numbers, like 34 to 38 and 41 to 45), for example you will see *@daisy* change to *@ws45* if you type the command:

```
$ ssh -X ws45
```

3. Source the default *.tcshrc*.

```
$ source ~/.tcshrc
```

Action Items

1. Create a directory only you can access named **ICLAB**.

```
$ mkdir -m 700 ICLAB  
$ cd ICLAB
```

2. Copy **lab1.zip** file in *~ee4292/* to ICLAB (Remember the last dot).

```
$ cp ~ee4292/iclab2021/lab01.zip .  
$ ls lab01.zip
```

3. Decompress *lab1.zip* and enter it.

```
$ unzip lab01.zip  
$ cd lab01
```

4. Try to open doc with *gedit* in background.

```
$ gedit file_name &
```

5. List your processes, you may see process information like below.

```
$ ps -lfu $user
```

6. You can kill *gedit* by *kill PID*, for example

```
$ kill [PID]
```

7. Run following commands to check your library/CAD tool access authority.

```
$ sh test_permission.sh
```

8. Exit workstation.

```
$ exit
```