Important message from IT Director Mr. Jaro Pristupa: information about computer accounts and CAD tools

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Please read this entire message.

1) Additional account notes and e-mail forwarding:

Please first read through the "ECE Workstations Lab Introduction" to find out about your course account. This includes details such as your account username, the initial account password, the Lab room locations, how to access the machines remotely, and who to contact about basic account problems.

Using the CAD tools from "off-site" is permitted, as long as you do not transfer any technology data off the ECE computers. Most of the CAD tools require a full GUI interface rather than just a command line, and VNC (as noted in the Introduction) is the most straightforward way to achieve this on your off-site machine.

Your account is subject to all UofT policies. Information is available at

<http://wiki.ece.utoronto.ca/doku.php/userdoc:policies>

When e-mailing me questions about restricted technology or our
CAD tools, please use a UofT e-mail address. If you send
me e-mail from an off-campus account, I will either (a) not
respond, or (b) request payment for my consulting services
to my PayPal account before I respond to your questions.
(I'm expensive ;-)

When we add you to a restricted technology group for a course, this
is set up *only* on the Workstations Lab computers. If you also
want access on an ECE Tier-1 research computer as well, please
send a note to ECE's Research Computing support at
"ecehelp@ece.utoronto.ca" to request access to the specific
technology group, and indicate which ECE research computer/network
you want to use.

2) Added to the restricted group:

You have been added to one of the restricted UNIX groups
(tsmc65nm) on one or more of the VRG, EECG, ELE or
Workstations Lab networks, as per your UofT Confidential
Information and Intellectual Property Agreement.

This provides you with access to *two* TSMC 65nm CMOS
processes. The original version (crn65lp) is no longer
available for fabrication, so if you want real chips

you will have to use "crn65gp", the general purpose RF technology (using the older Cadence IC5), or "ic6-crn65gp" for the newer Cadence IC6 using the OpenAccess database

You can find if you have been added to the list by using

```
% grep {username} /etc/group
```

and verifying that your login-name appears in the requested group. (Note that this won't work on Workstations Lab machines, which use LDAP for user account information.)

You can verify that you have been granted access by typing the command

```
% groups
```

and looking for the requested group in the returned list. (This may take up to an hour or so for the changes to take effect; if the change is made while you are logged-in, you will have to logout and login again to acquire access to the restricted group.)

We recommend that any work done in this technology be kept in a directory which is protected such that only *you* have access. One way to do this is to issue the following commands (for the CRN65GP technology, for example):

```
% mkdir ~/CRN65GP
% chmod 700 ~/CRN65GP
% ls -ld ~/CRN65GP
```

drwx------ 2 jaro 512 Mar 11 11:34 /ic0/jaro/CRN65GP

Note that the permissions should show "drwx------", indicating

"d" for directory,

"rwx" for read-write-execute permissions for the owner,

"---" no access to "group", and

"---" no access to "other" users.

To start Cadence IC5 tools,

```
% cd ~/CRN65GP
% source /CMC/tools/CSHRCs/Cadence
% startCds -t crn65gp
```

To start Cademce IC6 tools:

```
% mkdir    $HOME/IC6CRN65GP
% chmod 700 $HOME/IC6CRN65GP
% cd       $HOME/IC6CRN65GP
% startCds -t ic6-crn65gp
```

Information for this technology is stored under the directory

/CMC/kits/tsmc65nm

Older versions might still be available, under

/CMC/kits/tsmc65nm.{something_else}

You might also find some useful information in the file named

/CMC/kits/tsmc65nm/==README.jaro.quickstart

- jaro

p.s. If you really want to use the previous low-power version
of the technology (despite no planned fabrication runs) you
can use "startCds -t crn65lp", and refer to the older
versions of the "==README" files with the "old_CRN65LP"
suffices.

If you are gaining access for a course, access to CAD tool
licenses should have been arranged by your instructor.
If you are gaining access for research, you must arrange for
access to CAD tool licenses yourself. Please follow
the instructions at
http://www.vrg.utoronto.ca/~jaro/VRG/licenses/CMC_subscription.txt
under "Grad students and researchers".