

# 2016/2017 - 4<sup>th</sup> Year Project Computing Resources

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# MAE Computing Labs – Door access

- ME3149 – 11 Win7 computers – card reader
- ME3290 – 45 Win7 computers – card reader
- ME2363 – 10 Win7 computers – Satellite Lab – ME2360 card reader
- ME2256 – 85 Win7 computers – open 8am to 4:30pm, card reader after hours
- MC6065 – 14 Win7 computers – card reader
- CB3103 – 4 Win7 computers – card reader

# Rules

- University Acceptable Use Policy  
<http://carleton.ca/secretariat/wp-content/uploads/Acceptable-Use-Policy.pdf>
- No food or drinks in Lab
- Clean up after yourself
- Do not let others use your account
- Do not store music and videos
- Do not move computers – they are alarmed

# MAE Account

- Your MAE windows domain account using the same username as your MyCarletonOne but it is a separate account.
- The default password must be changed first time you login.
- Your home directory is H: store files here
- There are domain groups for each project for shared drive access.

# Accounts for Outside participants

- Accounts for outside participants can be created upon request.
- If door access is needed they must get a Campus Card by filling in an affiliates form

# Wireless

- ME3124 - SSID and passwords are posted in the lab
- CUwireless is available almost everywhere but you won't be able to map project drives

# Windows Domain Project Shared

## Drives

- \\arrow\2016cucd
- \\arrow\2016cusp
- \\arrow\2016fsae
- \\arrow\2016atd
- \\arrow\2016house
- \\arrow\2016ngv
- \\arrow\2016ruas
- \\arrow\2016sdp
- \\arrow\2016uav - Also has a drive within  
CULearn

# Access from other computers on the MAE network

- The project shares can be mapped from non-lab computers, e.g., laptops connected to the MAE wireless networks in the labs, by using the IP address 134.117.71.23 instead of the server name arrow, e.g.:
- Net use x: \\134.117.71.23\2016fsae  
/user:maent\username



# Previous Year's Project Data

- All previous year's shared drives are archived as read only and are located on the following network shares:
- \\134.117.70.29\projectarchives

# Remote Access

## Remote Desktop Connections

- Connections to lab computers can be made available depending on the need. It will not be opened up for everyone. A CCS VPN connection is required.

## Mapping a shared project drive

- Connect to CCS VPN
- Map the drive, e.g.,  
\\134.117.71.23\2016fsae

# Public facing websites

- Public facing websites for some of the Capstone fourth year projects were setup Wordpress.
- The websites will need to be renamed and updated for this year.
- Accounts can be created for whoever wants to edit the particular site. This could be one of the team members and/or the Project Manager.
- All editing is done via a web browser mostly by copy and paste. No html or php code needs to be written.

# Potential Site Names

- <http://2016cucd.mae.carleton.ca>  
<http://2016cusp.mae.carleton.ca>  
<http://2016fsae.mae.carleton.ca>  
<http://2016atd.mae.carleton.ca>  
<http://2016house.mae.carleton.ca>  
<http://2016ngv.mae.carleton.ca>  
<http://2016ruas.mae.carleton.ca> - using an  
outside website  
<http://2016sdp.mae.carleton.ca>  
<http://2016uav.mae.carleton.ca>

# SVN Repositories

- This have been used by some projects, e.g., CUSP. Authentication is down using your MAE windows account, however you must have logged on once to change your default password.
- Tortoise SVN is installed on all lab computers.

# Linux Systems

- There are 2 Linux clusters that can be used for computational runs. Accounts need to be created for the user.
- Carleton's Virtual Cloud Laboratory – VCL – custom images can be made – may be phased out

<http://carleton.ca/orec/>

# Software

- A list of software that is available can be found on the Department's Website under Computing Resources.
- PTC Creo Parametric 3.0
- Ansys licenses, 500 node-limited teaching licenses and 50 research licenses
- Matlab 2016a with 49 toolboxes – unlimited licenses
- Labview 2016 – installed as needed
- Mathcad 3.1 prime
- Maple 2016
- Solidworks 2016 – licenses from Department of Industrial Design
- AutoCAD 2016

# Printing

- Printing is done via CUOntheGo print system
- CCS print stations around campus
- Engineering print stations, ME4377, MC5010, CB2201
- Jobs can be released to printers in me2256, me3290
- Instructions on N:\Printing



# Lab Support

- Hours: 8:30 to 12, 1 to 4:30pm Mon-Fri
- Bruce Johnston – [Bruce.Johnston@carleton.ca](mailto:Bruce.Johnston@carleton.ca)  
– me3171
- Neil McFadyen – [NeilB.McFadyen@carleton.ca](mailto:NeilB.McFadyen@carleton.ca)  
– me3154