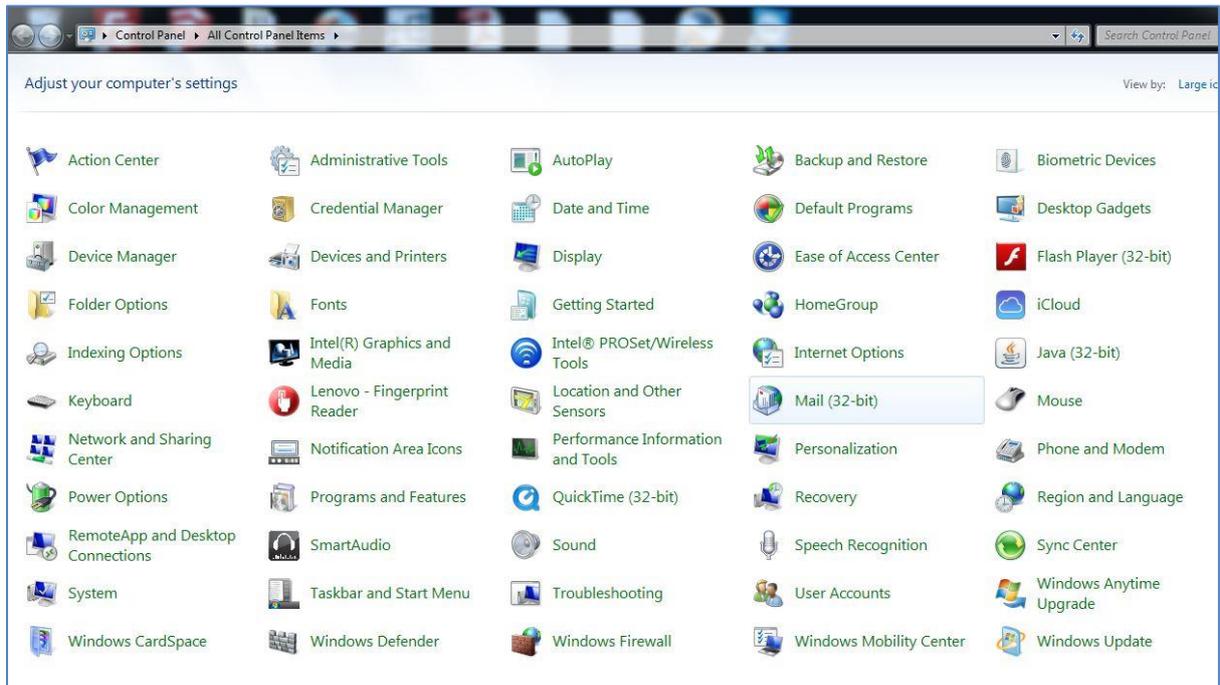


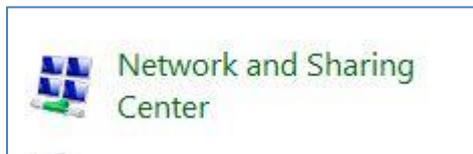
MS Windows

Manually Connecting a Windows Laptop to a Wireless Network. (Utilising Domain User Credentials for 802.1x RADIUS Authentication)

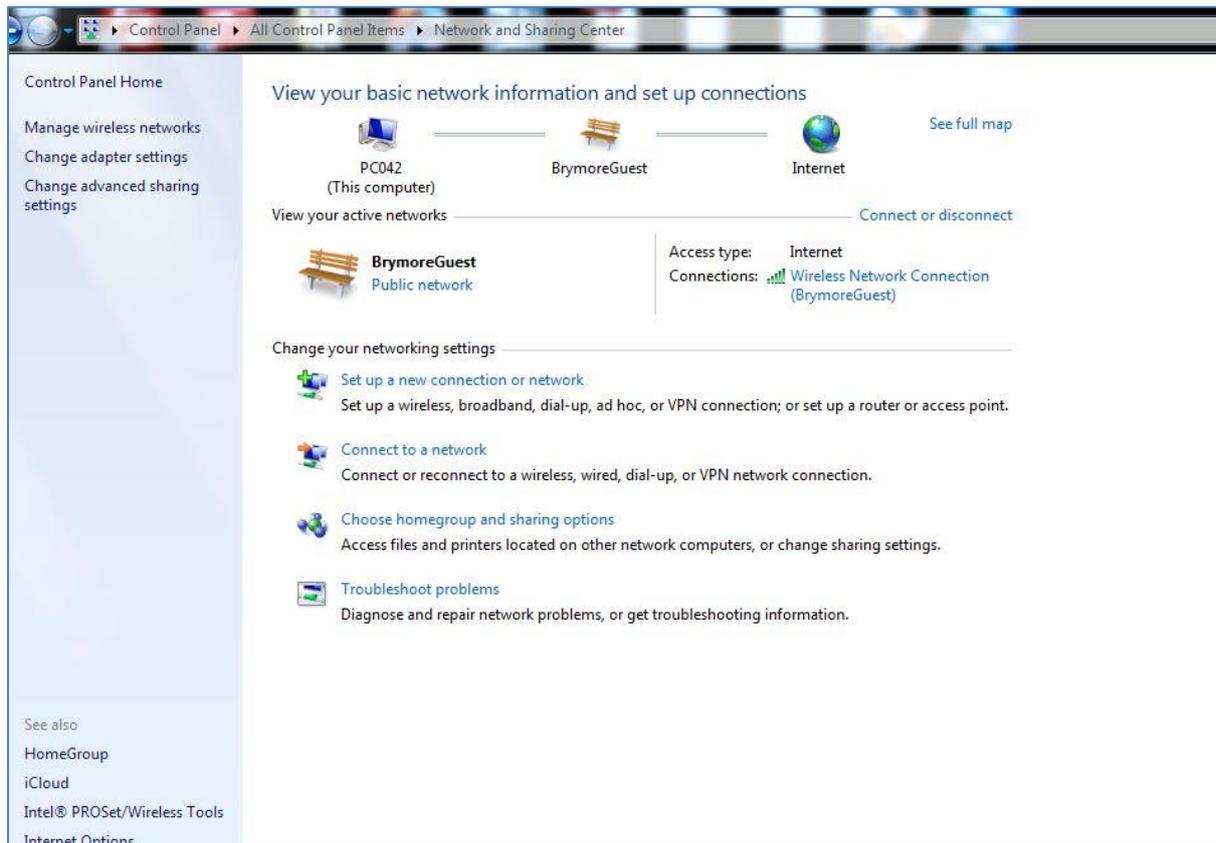
From the Start Menu or Settings - Choose Control Panel / Classic Menu



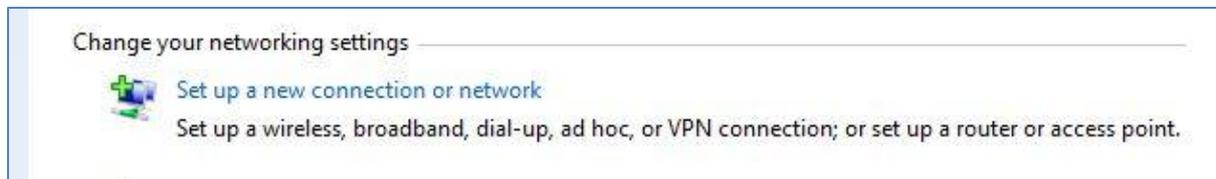
Select Network and Sharing Center



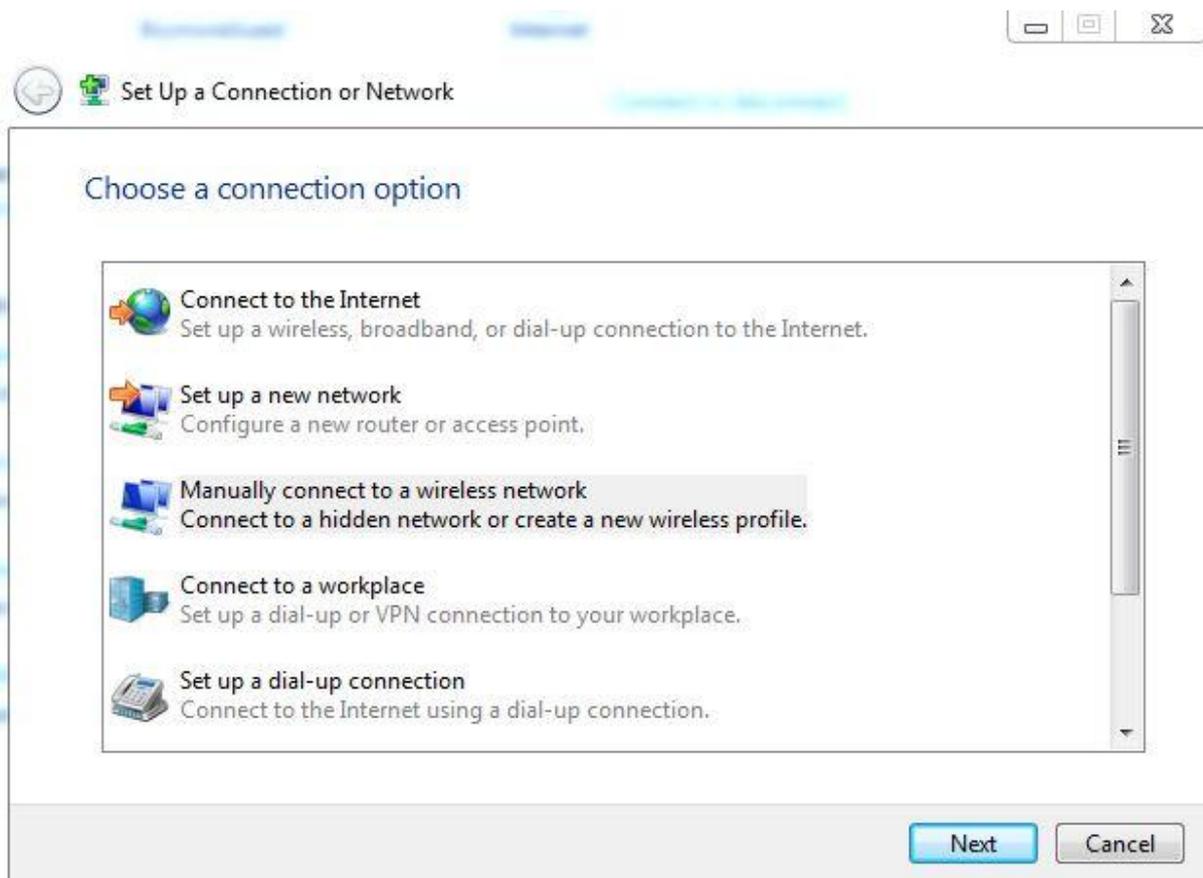
From within the Network and Sharing Center



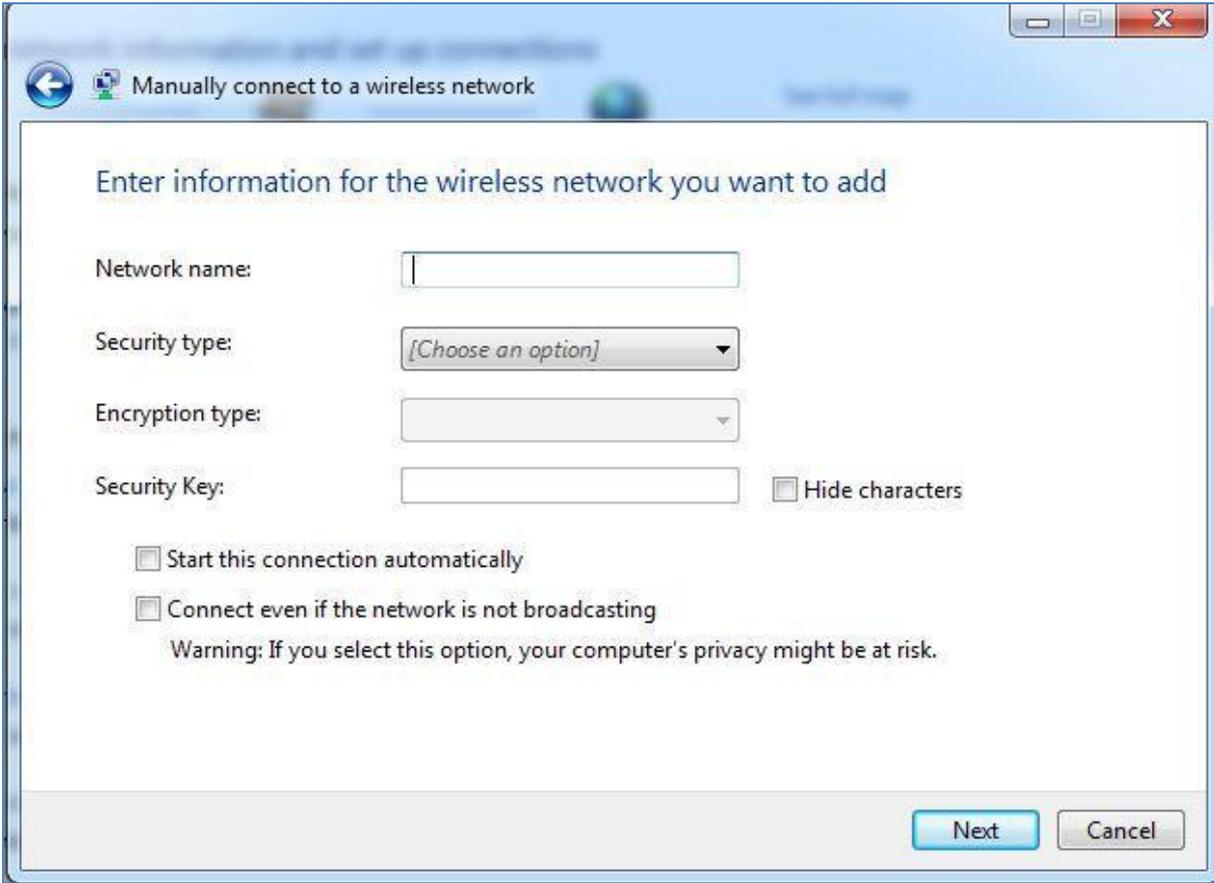
Choose Set up a new connection or network



Now choose 'Manually Connect to a Wireless Network'



You will be prompted to Enter the Information for the wireless network.



The image shows a Windows dialog box titled "Manually connect to a wireless network". The main heading inside the dialog is "Enter information for the wireless network you want to add". The form contains the following fields and options:

- Network name:** A text input field.
- Security type:** A dropdown menu with the text "[Choose an option]".
- Encryption type:** A dropdown menu.
- Security Key:** A text input field with a checkbox labeled "Hide characters" to its right.
- Start this connection automatically
- Connect even if the network is not broadcasting

Below the second checkbox, there is a warning message: "Warning: If you select this option, your computer's privacy might be at risk." At the bottom right of the dialog, there are two buttons: "Next" and "Cancel".

Add the Broadcast SSID of the required Network in the 'St-Georges-Student' Box

Manually connect to a wireless network

Enter information for the wireless network you want to add

Network name:

Security type:

Encryption type:

Security Key: Hide characters

Start this connection automatically

Connect even if the network is not broadcasting

Warning: If you select this option, your computer's privacy might be at risk.

Ensure the 'Security Type' drop down box is set to WPA2-Enterprise

Ensure the 'Encryption Type' drop down box is set to AES

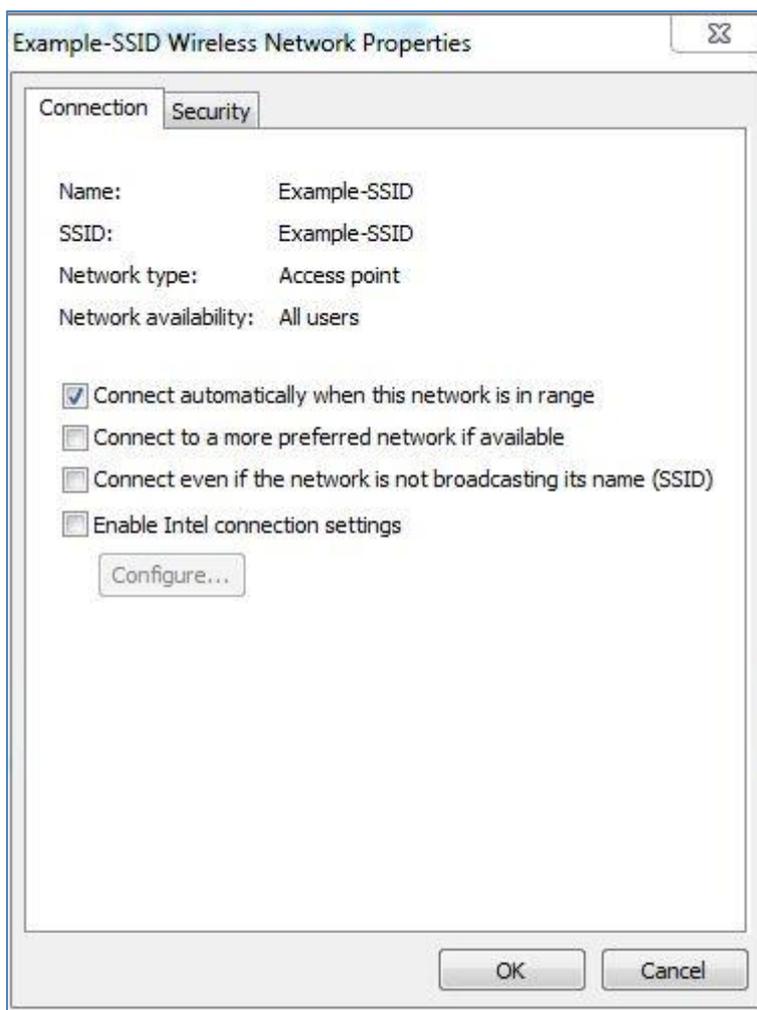
Ensure the Tick Box for 'Start this connection automatically' is selected.

Click Next

Now choose to 'Change connection settings' as shown below:



The following properties dialogue box is shown. Choose the Security Tab.

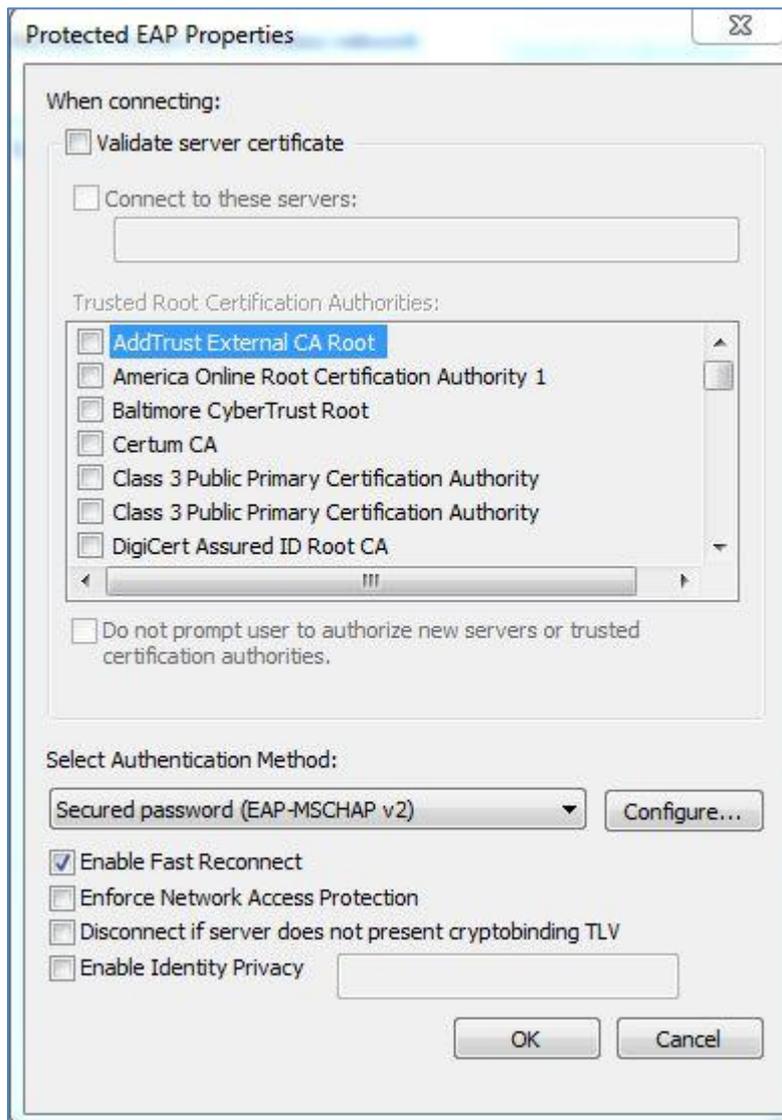


Ensure the Security and Encryption Type are set as shown.



'Network Authentication Method' must be set to 'Microsoft: Protected EAP (PEAP)' as shown.

Click on the PEAP 'Settings' Button next to the Drop Down.
From 'Protected EAP Properties' as shown
Ensure the 'Validate Server Certificate' Check Box is Un Ticked.



Ensure 'Select Authentication Method' is set to 'Secured Password (EAP-MSCHAP v2)'
Choose the 'Authentication Method' 'Configure' Button next to the Drop Down.



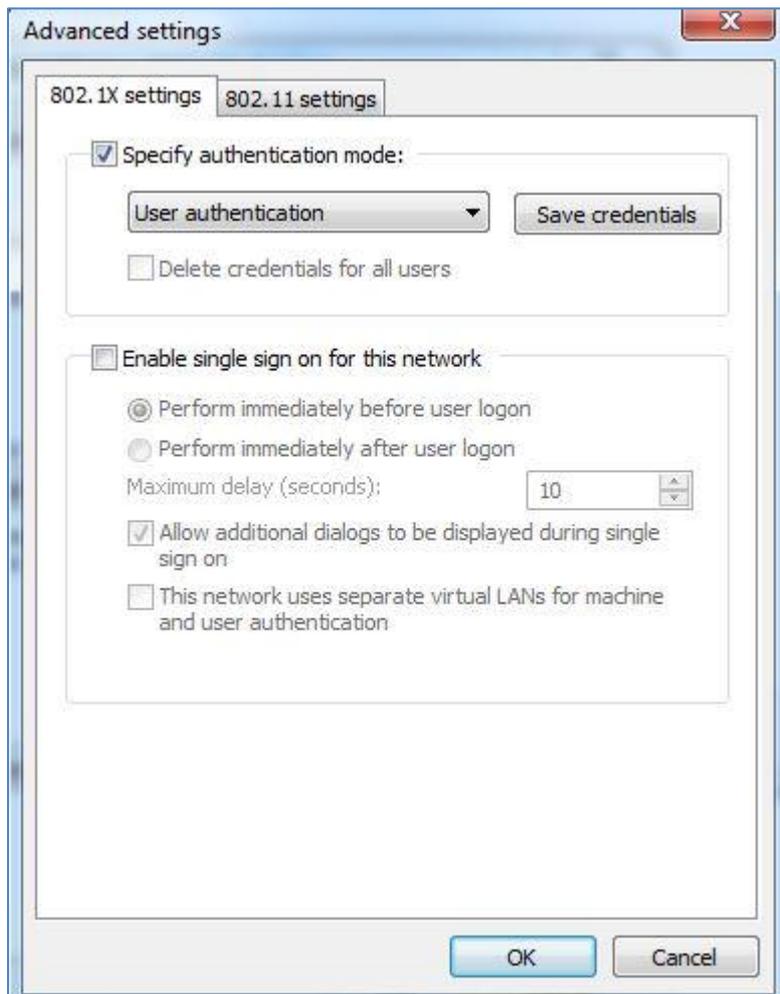
Ensure That 'When Connecting Automatically use my Windows Logon name' is Un Ticked.

Click OK to return to this 'Security' tab View



Next choose the 'Advanced Settings' box.

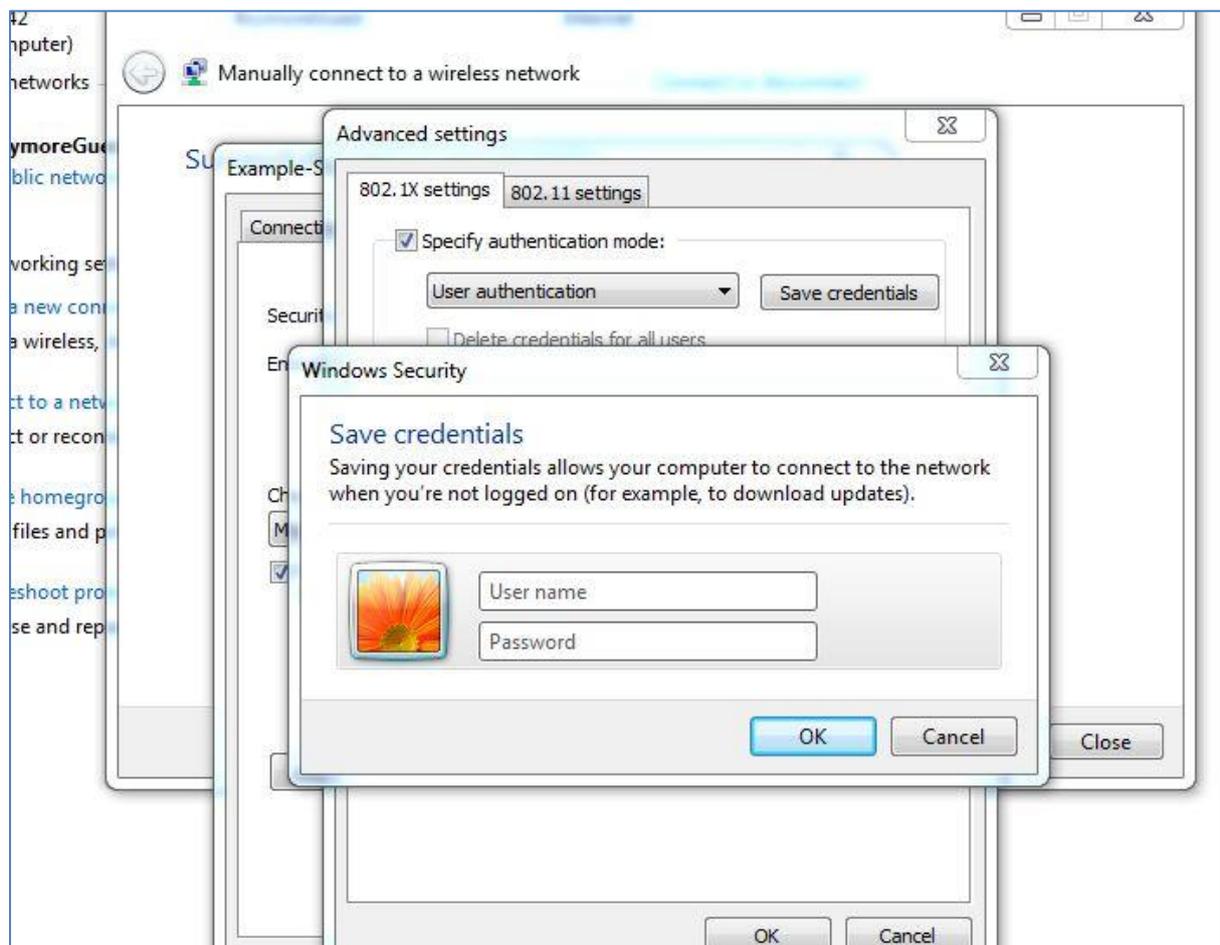
Under Advanced Settings
Choose '802.1X settings' tab.
Ensure the Specify Authentication Mode Tick box is Ticked.



From the 'Specify Authentication Mode' drop down box ensure 'User Authentication' is Selected.

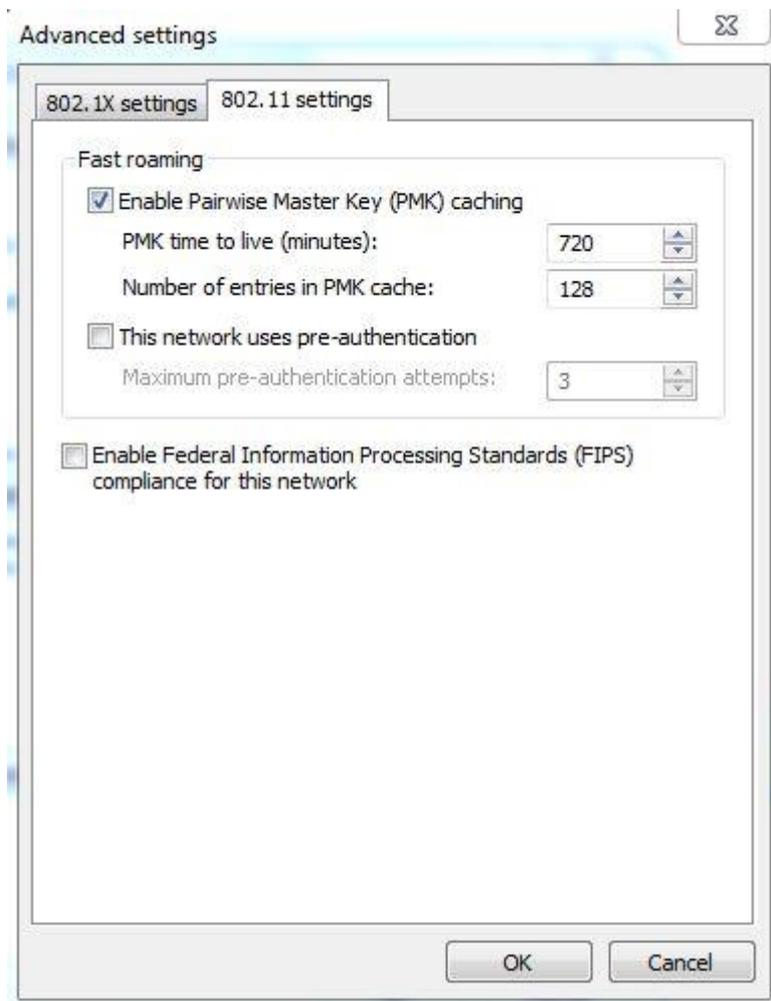
Next Choose the 'Save Credentials' Button next to the drop down.

In the box that appears type your normal Windows Domain Username and Password.



Click Ok to return to the Advanced Settings View.

Ensure 802.11 settings are as shown below.



Click OK to exit Advanced Settings. Click OK to complete the set up of the Wireless Network.

Now browse for available wireless networks, find the SSID you have been configuring and connect. You should now be joined to the wireless network.

Note. If after successfully joining the wireless network, the username or password is subsequently changed the saved credentials applied to the connection will need updating. Edit the network connection in the same fashion and from the 'Specify Authentication Mode' choose the 'Replace Credentials' Button next to the drop down.

