	Technical University of Sofia	
	Faculty of German Engineering Education and Industrial Management	
	FDIBA IT Team	

Instructions for connecting to the FDIBA Wireless Network

(Windows XP)

In order to connect, you need your username and password, as well as the FDIBA Root Certificate which you need to install on your laptop or smartphone.

1) Root Certificate Installation

To obtain the certificate, please perform the following steps:

1. Log on to a desktop computer in one of the PC rooms using your username and password and use Windows Explorer to navigate to the location **X:\Wireless Network**.

   Note: You can also download the certificate outside the FDIBA network using the URL: **http://fdiba.tu-sofia.bg/downloads/FRC.cer**

2. Copy the file **FRC.cer** to a USB Flash disk or a diskette.
3. Transfer the certificate file to your laptop.
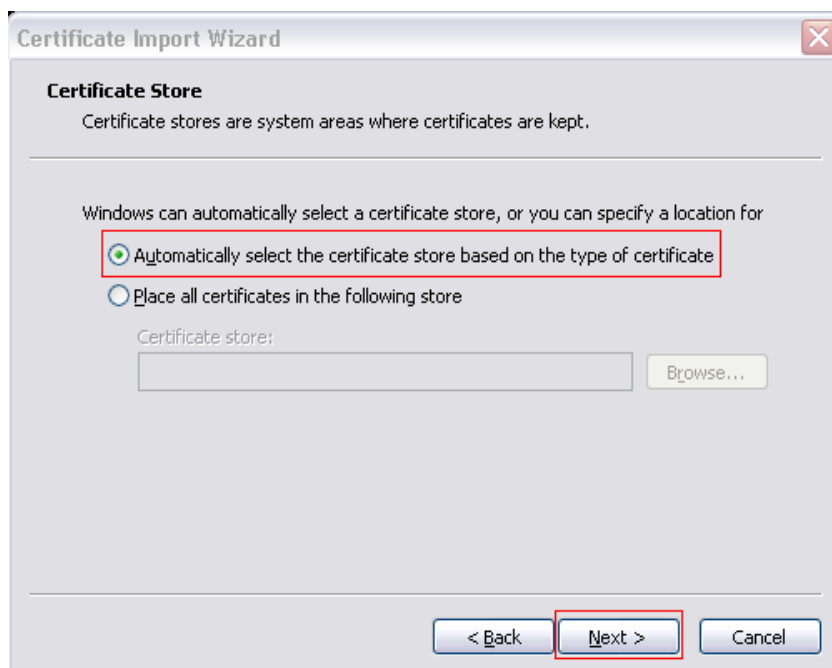4. Double-click on the certificate file. You should see the following window:

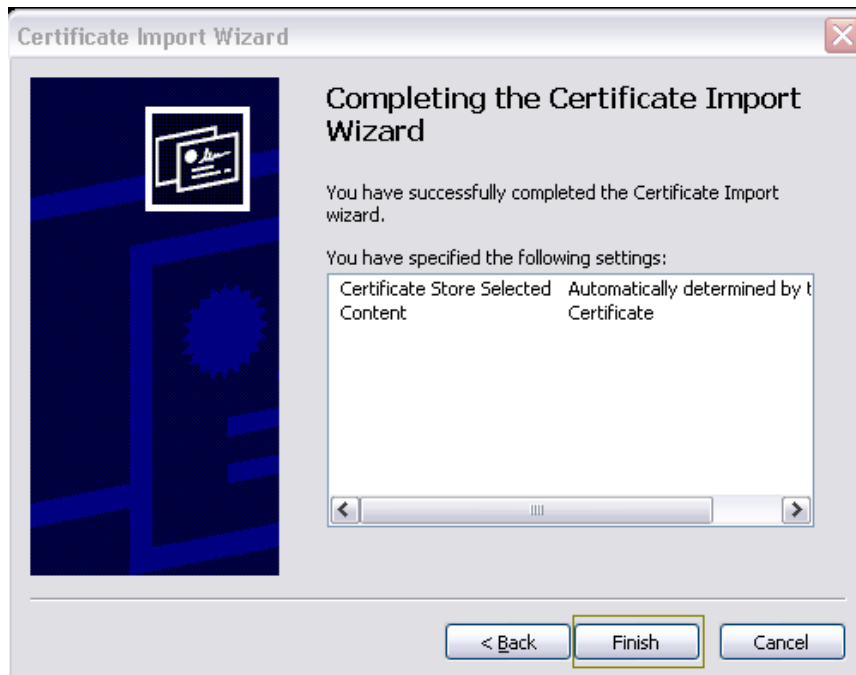   Click on **Install Certificate…**

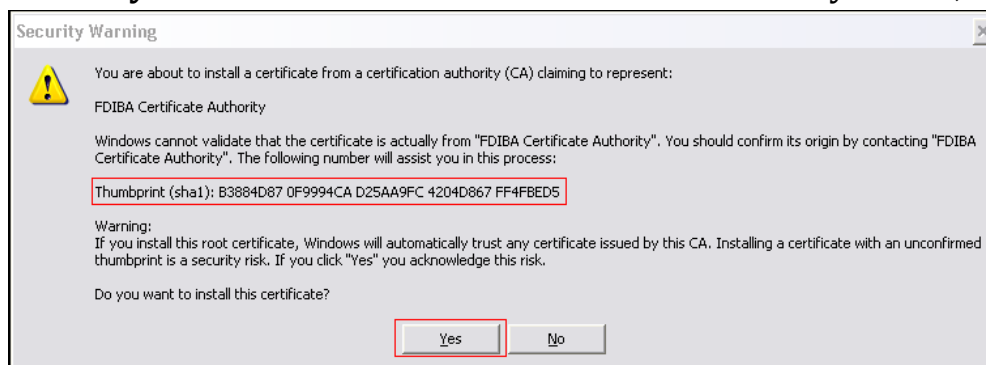5. In the Certificate Import Wizard click **Next >.**

6. Select **Automatically select the certificate store based on the type of certificate.** Click **Next >.**

7. Click **Finish** to complete the Certificate Import Wizard.

8. Verify the certificate by comparing the Thumbprint (sha1) value in the **Security Window** with the value shown here. If they match, click **Yes.**
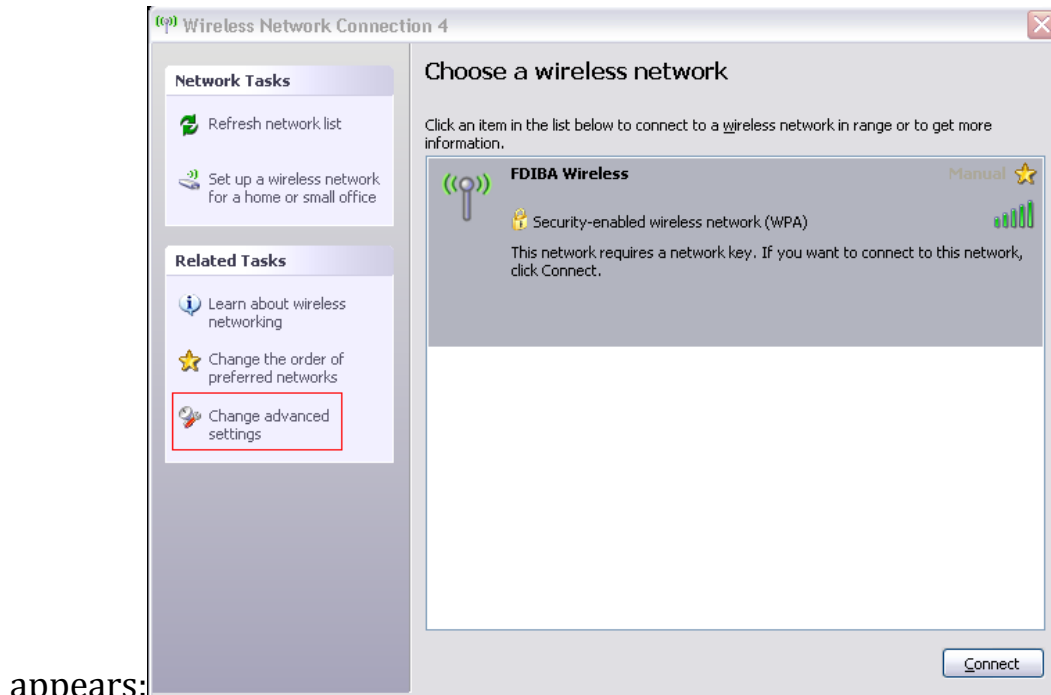

This window completes the certificate import procedure. Refer to next page for Wireless Network Configuration.

## 2) Configuration of the Wireless Network Properties

1. Open **Network Connections,** select your wireless network adapter and choose **View Available Wireless Networks.** The following window appears:

Note: If you do not see any wireless networks, check that you have correctly installed your wireless network adapter drivers, the wireless adapter is enabled and that the service **Wireless Zero Configuration** is running. Click **Refresh network list** to refresh the networks list.

In the **Related Tasks** category, choose **Change advanced settings.**

2. In the **Wireless Network Connection Properties** window, verify that **Use Windows to configure my wireless network settings** is checked. Then choose **Add...** (See next page for screenshot)
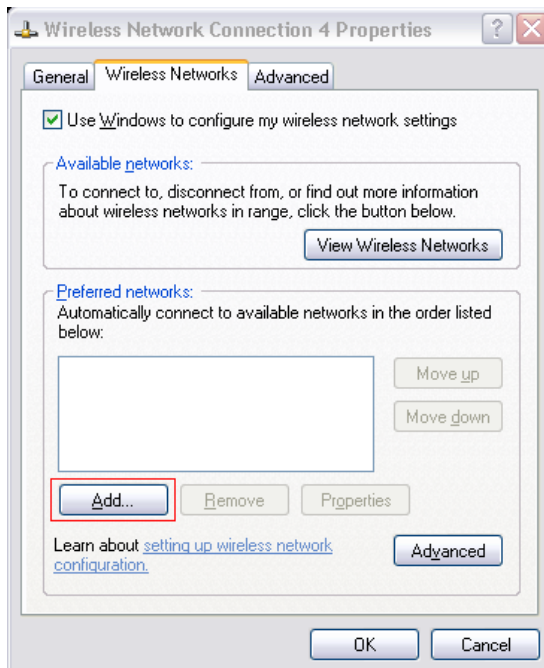
3. Choose the **Association** tab. In the **Network Name (SSID)** field type **FDIBA Wireless**.

   Note: The SSID field is case-sensitive, so enter it exactly as shown.
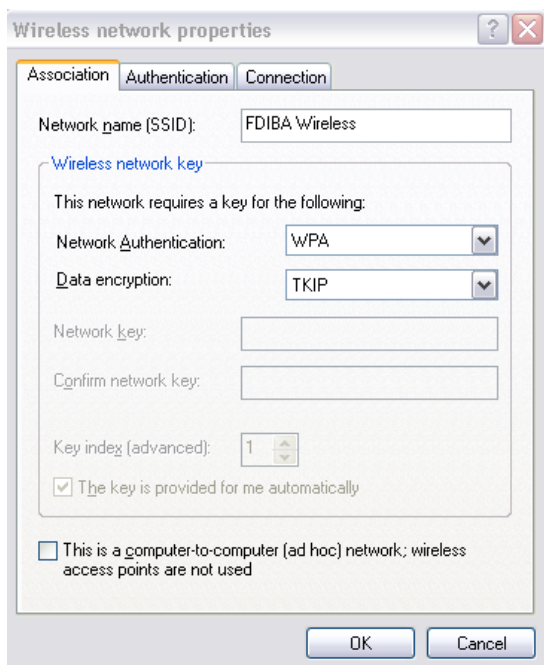
In the **Network Authentication** field, choose **WPA** or **WPA2** (**not WPA-PSK!)** from the drop-down menu**.**

In the **Data encryption** field, choose **TKIP** or **AES.**
Choose the **Authentication** tab.

4. For **EAP type**, choose **Protected EAP (PEAP)** from the drop-down menu, ensure that **Authenticate as computer when computer information is available** is NOT checked and choose **Properties.**
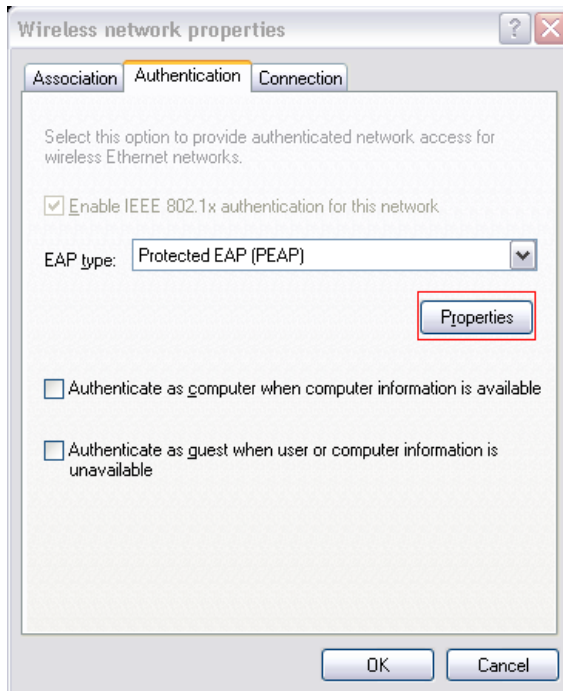

5. (See next page for screenshot) In the **Protected EAP Properties** window verify that **Validate server certificate** is checked. From the **Trusted Root Certification Authorities** list find and check **FDIBA Certification Authority.** Under **Select Authentication Method** select **Secured password (EAP-MSCHAP v2).** Check the box next to **Enable Fast Reconnect** and click the **Configure…** button.

Note: If you select the **Enable Fast Reconnect** checkbox and the authentication hangs on **Validating Identity** thereafter, deselect the **Enable Fast Reconnect** checkbox and try connecting again. **Fast Reconnect** <u>**is not supported**</u> on Windows CE .NET.
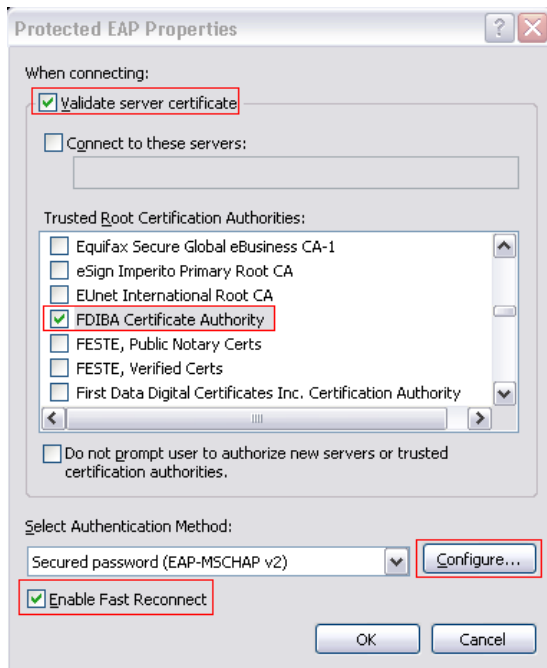
6. In the **EAP MSCHAPv2 Properties** window, remove the checkbox near **Automatically use my Windows logon name and password (and domain if any).** Click **OK** and close all dialog windows.
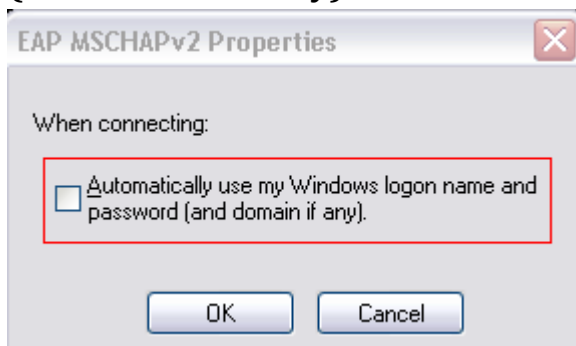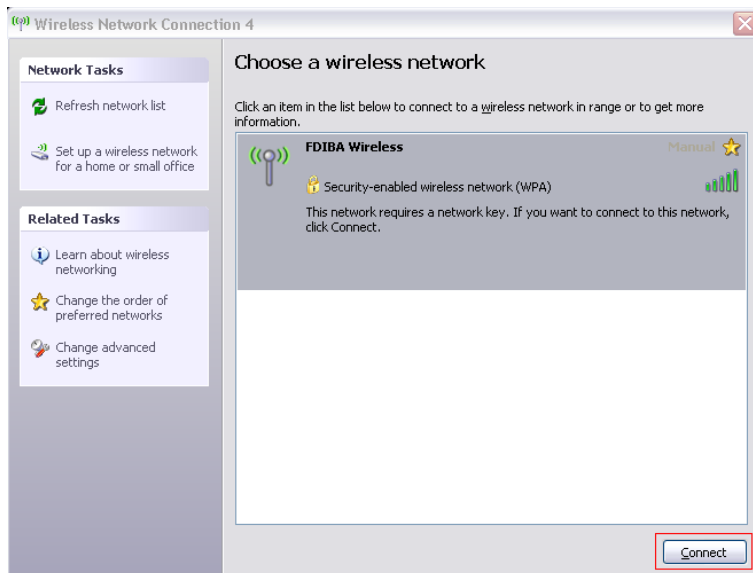

The network configuration procedure is complete. Refer to next page for instructions about connecting to the network.
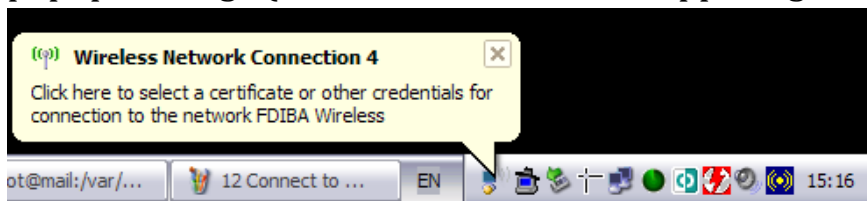
3) Connecting To the Network

1. Choose the **FDIBA Wireless** network and click **Connect.**

2. Wait until a yellow balloon popup message appears in the system tray prompting to select authentication credentials. Click the balloon popup message (do not click the X in the upper right corner!).

3. The following window appears:

Enter your username and password for the network.

In the **Logon domain** field, enter **FDIBA.**

Click **OK** and wait a few seconds. If the authentication was successful, the status of the network adapter should have changed to **Connected.**

If you have any questions or problems connecting to the network, please contact the FDIBA IT Team (10207 – A) or e-mail itteam@fdiba.tu-sofia.bg.