

Faculty of German Engineering Education and Industrial Management

FDIBA IT Team





Instructions for connecting to the FDIBA Wireless Network (Windows Vista)



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:

 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 <u>X:\Wireless Network</u>.

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



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- 2. Copy the file **FRC.cer** to a USB Flash disk or a diskette.
- **3.** Transfer the certificate file on your laptop or smartphone.
- **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** >.



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Certificate Import Wizard	x
Certificate Import Wizard	Welcome to the Certificate Import Wizard This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. To continue, dick Next.
	< Back Next > Cancel

6. Select **Place all certificates in the following store.** Click **Browse...** and select **Trusted Root Certification Authoirities.** Click **Next>.**

ertificate Im	port Wizard
Certificate	Store
Certifi	cate stores are system areas where certificates are kept.
Windo the ce	ws can automatically select a certificate store, or you can specify a location for rtificate.
\odot	Automatically select the certificate store based on the type of certificate
۲	Place all certificates in the following store
	Certificate store:
	Trusted Root Certification Authorities Browse
	a hard and the states
Learn more	about <u>certificate stores</u>
	< Back Next > Cancel

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



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Certificate Import Wizard	
	Completing the Certificate Import Wizard
	The certificate will be imported after you click Finish.
	You have specified the following settings:
	Certificate Store Selected by User Trusted Root Certifica
	Content Certificate
	4
	х — то - то
	< <u>B</u> ack Finish Cancel
ال	

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

Security W	arning
	You are about to install a certificate from a certification authority (CA) claiming to represent: FDIBA Certificate Authority Windows cannot validate that the certificate is actually from "FDIBA Certificate Authority". You should confirm its origin by contacting "FDIBA Certificate Authority". The following number will assist you in this process: Thumbprint (sha1): B3884D87 0F9994CA D25AA9FC 4204D867 FF4FBED5 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this
	Do you want to install this certificate?
	<u>Y</u> es

In the **Certificate Import Wizard** window click **OK**.



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



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Configuration of the Wireless Network Properties

1. Click **Start – Connect to.** The following window appears:

Connect to a network Select a network to connect	tes. The hullowing window approx	4
		·····
VPN Connection Wireless Network Connection	VPN connection	
FDIBA Wireless	Security-enabled network	- 1111-
Set up a connection or network Open Network and Sharing Center	1	
	Connect	Cancel

2. Click **Set up a connection or network.** The following window appears:





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- 3. Select **Manually connect to a wireless network** and click **Next**.
- 4. In the **Manually connect to a wireless network** window enter the following information:

Network Name: FDIBA Wireless

Security type: **WPA-Enterprise** or **WPA2-Enterprise** (not WPA-Personal!)

Encryption type: TKIP or AES

Check the box next to **Start this connection automatically.** Click Next

🚱 💇 Manually connect to a w	ireless network
Enter information for th	e wireless network you want to add
N <u>e</u> twork name:	FDIBA Wireless
<u>S</u> ecurity type:	WPA-Enterprise 💌
Enc <u>r</u> yption type:	TKIP
Se <u>c</u> urity Key/Passphrase:	Display characters
Start this connection aut	omatically
Connect even if the netv	vork is not broadcasting
Warning: If you select th	is option, your computer's privacy might be at risk.
	Next Cancel

5. In the following window select **Change connection settings**.



6. In the **FDIBA Wireless Wireless Network Properties** window choose the **Security** tab:

FDIBA Wireless Wireless	Network properties	X
Connection Security		
Security type: Encryption type:	WPA-Enterprise	
Chgose a network au Microsoft: Protected	thentication method: EAP (PEAP) Settings ation for subsequent connections 	
8		
	ОК Са	ncel

7. In the **Choose a network authentication method** drop-down menu choose **Microsoft: Protected EAP (PEAP).** Click **Settings...**

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	FDIDATITEam	
Protected EA	AP Properties	
When conne	ecting:	
- 🔽 <u>V</u> alidat	e server certificate	
Conne	ect to these servers:	
Trusted F	Soot Certification Authorities:	
FDIB	A Certificate Authority	
Globa	alSign Root CA	
Micro	soft Root Authority	
Micro	soft Root Certificate Authority	
Thaw	te Premium Server CA	
Inaw		
Do noi certific	t prompt user to authorize new servers or trusted cation authorities.	
Select Autho	entication Method:	
Secured pa	assword (EAP-M5CHAP V2) ▼ Configure	
Enable F	ast Reconnect	
	Juarantine checks ect if server does not present cryptobinding TLV	

In the Protected EAP Properties window select the checkbox next to

Validate server certificate. From the Trusted Root Certification Authorities list scroll down and select the checkbox next to FDIBA Certificate Authority. In the Select Authentication Method drop-down menu select Secured password (EAP-MSCHAP v2). Click Configure...

In the EAP MSCHAPv2 Properties window clear the check box next to Automatically use my Windows logon name and password (and domain if any). Click OK.





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You can optionally select the check box next to **Enable Fast Reconnect**.

- 8. In the **Protected EAP Properties** window click **OK**.
- 9. In the **FDIBA Wireless Wireless Network Properties** window click **OK.**
- 10. You will see a balloon message popping up from the system tray:



Click on the balloon message (Do not click the X in the upper right corner!).

The following window appears:

User name:	username
<u>P</u> assword:	••••••
Password: Logon domain:	FDIBA

11. Enter your username and password. Enter **FDIBA** in the **Logon domain** field. Click **OK.** If nothing seems to be happening, click **Start-Connect to** and double click the **FDIBA Wireless** network. If the system prompts for credentials, enter them again. You have connected successfully if you see the following window:



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