

# Wi-Fi

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# Wi-Fi DEEC Description

To use this service you need a @deec.uc.pt or @uc.pt account!

In addition to the EDUROAM network, DEEC has its own wireless network that covers Teachers' offices, most classrooms and teaching labs, providing local addressing and resources.

The complete list of spaces now equipped with Access Points is as follows:

1. Gabinetes de Docente no Piso 1 (4 units)
2. Gabinetes de Docente no Piso 3 (4 units)
3. Gabinetes de Docente no Piso 3A (4 units)
4. Gabinete de Gestão da Rede Informática
5. Laboratório de Apoio Informático 1
6. Laboratório de Apoio Informático 3
7. Laboratório de Automação
8. Laboratório de Circuitos
9. Laboratório de Controlo
10. Laboratório de Electrónica
11. Laboratório de Electrónica de Potência
12. Laboratório de Hiperfrequências
13. Laboratório de Instrumentação e Medidas
14. Laboratório de Máquinas
15. Laboratório de Processamento Digital de Sinal
16. Laboratório de Redes e Sistemas de Computadores
17. Laboratório de Sistemas Digitais
18. Laboratório de Telecomunicações
19. Laboratório de Sistemas Electromecânicos
20. Sala de Estudo
21. Sala T4.2
22. Sala T4.3
23. Sala T5.2
24. Sala T5.3
25. Sala T6.3
26. Sala de Exames

This wireless network (DEEC) is part of the computer infrastructure of DEEC, thus allowing transparent and fast access to DEEC local network resources. The EDUROAM wireless network (see below) is still available in the department's public areas.

For technical configurations, the settings to use for network access are as follows:

Definition	Description	Value to set
Wireless Type	Types of wireless networking technology that supports wireless networking	802.11 a/b/g/n Bandwidth up to 900Mbps per space Support for 2.4GHz and 5GHz frequencies
SSID	Wireless Network Name	DEEC
Wireless Protection	Wireless Encryption System Type	WPA 2 (AES/CCMP, Dynamic)
Authentication (802.1X)	Method of authenticating a device / user to a protected network	EAP-PEAP + MSCHAPv2
Certificate Validation	Digital Certificate Verification and Validation System	Do not check / Disabled
Login	Login of the user who wants to connect to the network	DEEC.UC.PT Domain Email Address (for example, user@deec.uc.pt, or uc212345678@alunos.deec.uc.pt)
Password	Password of the user who wants to connect to the network	Password of the respective account

## DEEC Network Installation Manuals

1. [Windows 7](#)
2. [Windows 8.1](#)
3. [Windows 10](#)
4. [Android](#)
5. [iPhone](#)
6. [Apple Mac OS X](#)

# Wi-Fi Eduroam Description

To use this service you need a @deec.uc.pt, @uc.pt or any other compatible institution account!

The UC wireless network is part of the Eduroam network and can be used by all teachers, students and employees who have an email account at a UC organization or any other institution that has joined the Eduroam network. Likewise, UC users, when visiting Eduroam institutions, in Portugal or abroad, will be able to access their wireless networks without any change in the configuration of their equipment.

The EDUROAM network is available in the main public areas of DEEC.

Regarding technical configurations, the settings to be used for network access are as follows:

Definition	Description	Value to set
Wireless Type	Types of wireless networking technology that supports wireless networking	802.11 a/b/g/n Bandwidth up to 900Mbps per space Support for 2.4GHz and 5GHz frequencies
SSID	Wireless Network Name	DEEC
Wireless Protection	Wireless Encryption System Type	WPA 2 (AES/CCMP, Dynamic)
Authentication (802.1X)	Method of authenticating a device / user to a protected network	EAP-PEAP + MSCHAPv2
Certificate Validation	Digital Certificate Verification and Validation System	Do not check / Disabled
Login	Login of the user who wants to connect to the network	DEEC.UC.PT Domain Email Address (for example, user@deec.uc.pt, or uc212345678@alunos.deec.uc.pt)
Password	Password of the user who wants to connect to the network	Password of the respective account

## Eduroam Network Installation Manuals

1. [Windows 7](#)
2. [Windows 8.1](#)
3. [Windows 10](#)

#### 4. [Android](#)

#### 5. [iPhone](#)

On Apple Mac OS X operating systems, just select the “eduroam” network, when it is available. The operating system asks for the login (email) and the respective password and the connection is made automatically, through the combination WPA2 + AES + PEAP + MSCHAP\_v2.

In case of difficulty, they can contact the Helpdesk service, through the usual channels.

The use of the UC wireless network is regulated by the UC network, RCTS network usage rules and applicable law.

More information:

[Eduroam wireless network at UC](#)

IMPORTANT TECHNICAL NOTE: If you use an authentication account for the @ deec.uc.pt or @ students.deec.uc.pt domains, you must disable the option to check encryption certificates.

[Autoconfiguration file for Apple systems](#) (Students)

[Autoconfiguration file for Apple systems](#) (Collaborators)

# Setup eduroam Wi-Fi in Windows 10

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 10

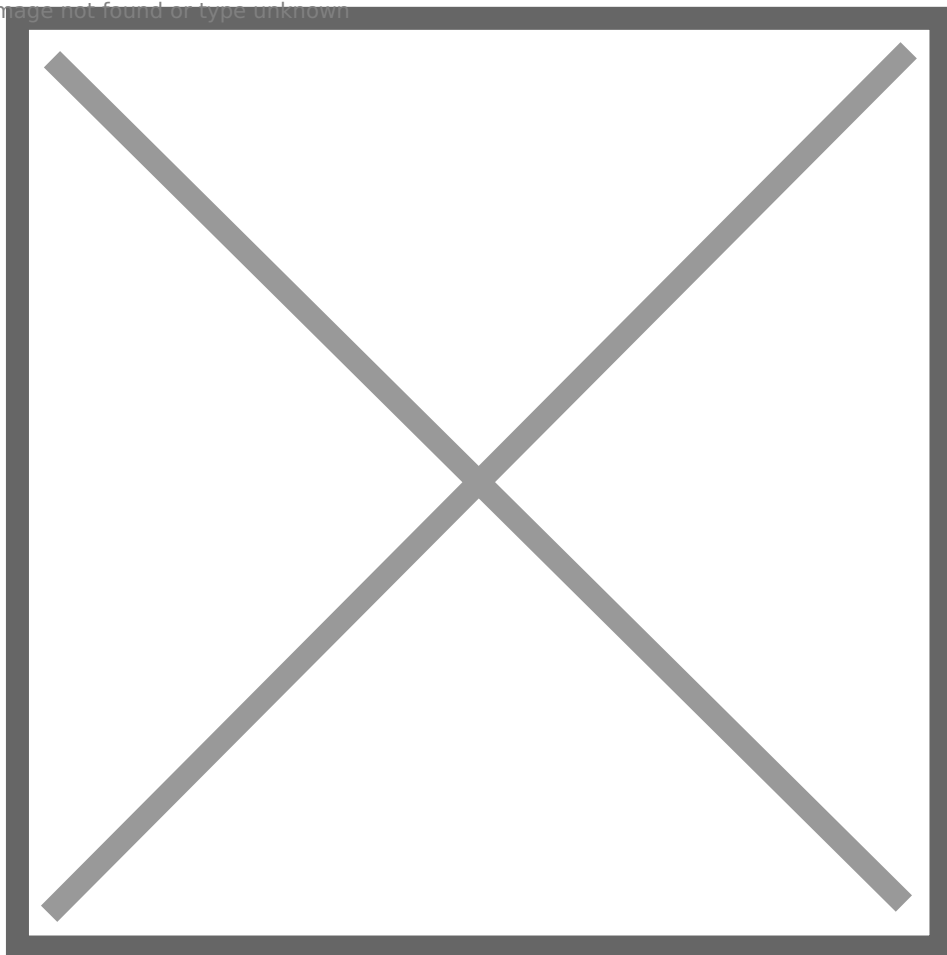
### Introduction

In this document you will be presented step by step the installation of Wireless Network.

### Windows 10

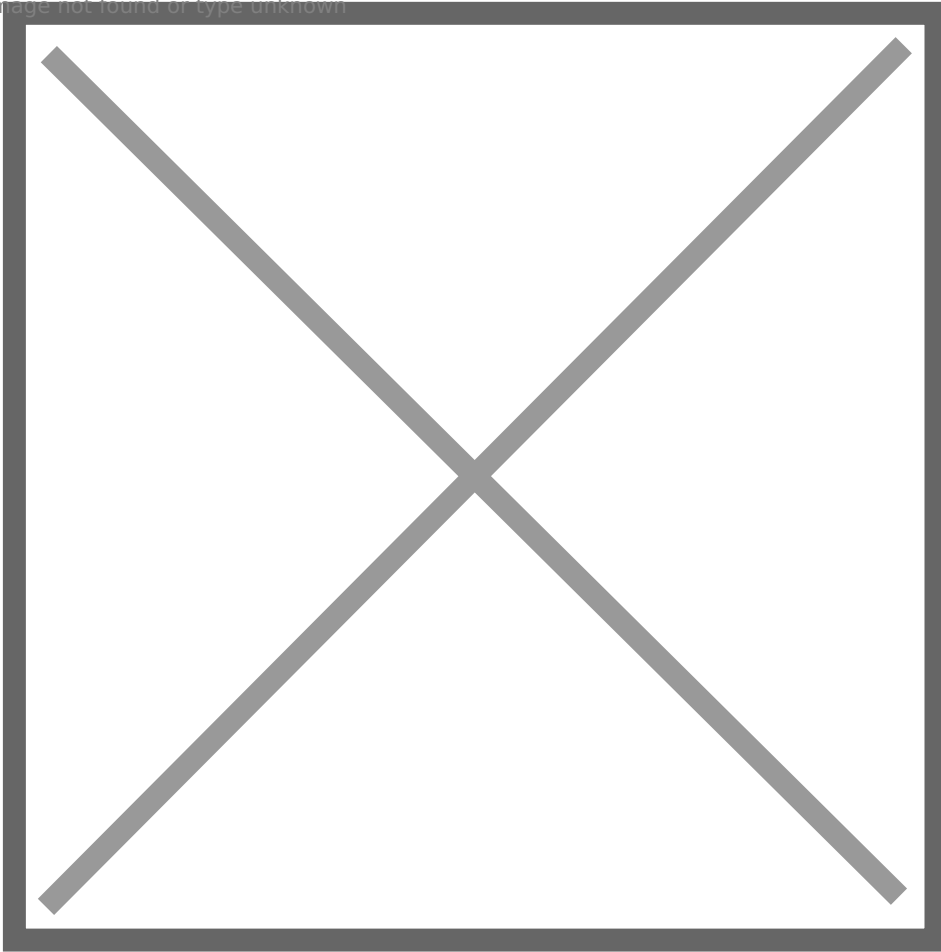
Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

Image not found or type unknown



Then click on “Manually connect to a wireless network”:

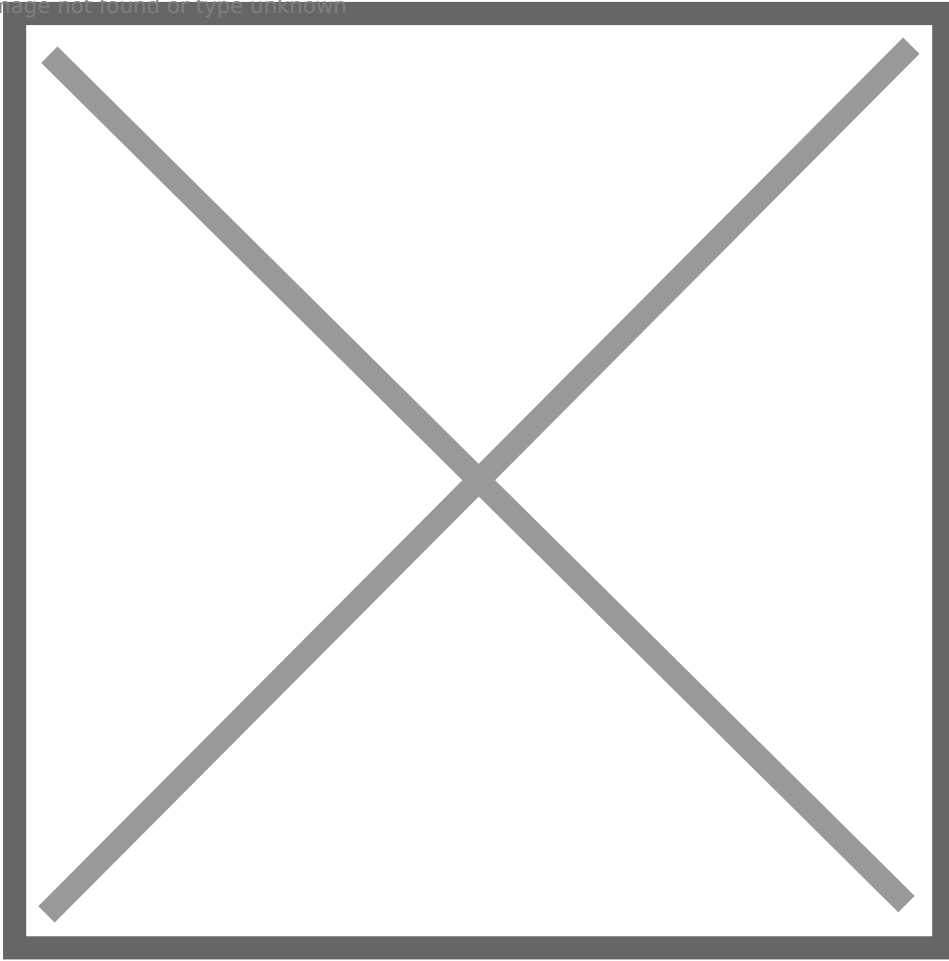
Image not found or type unknown



The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

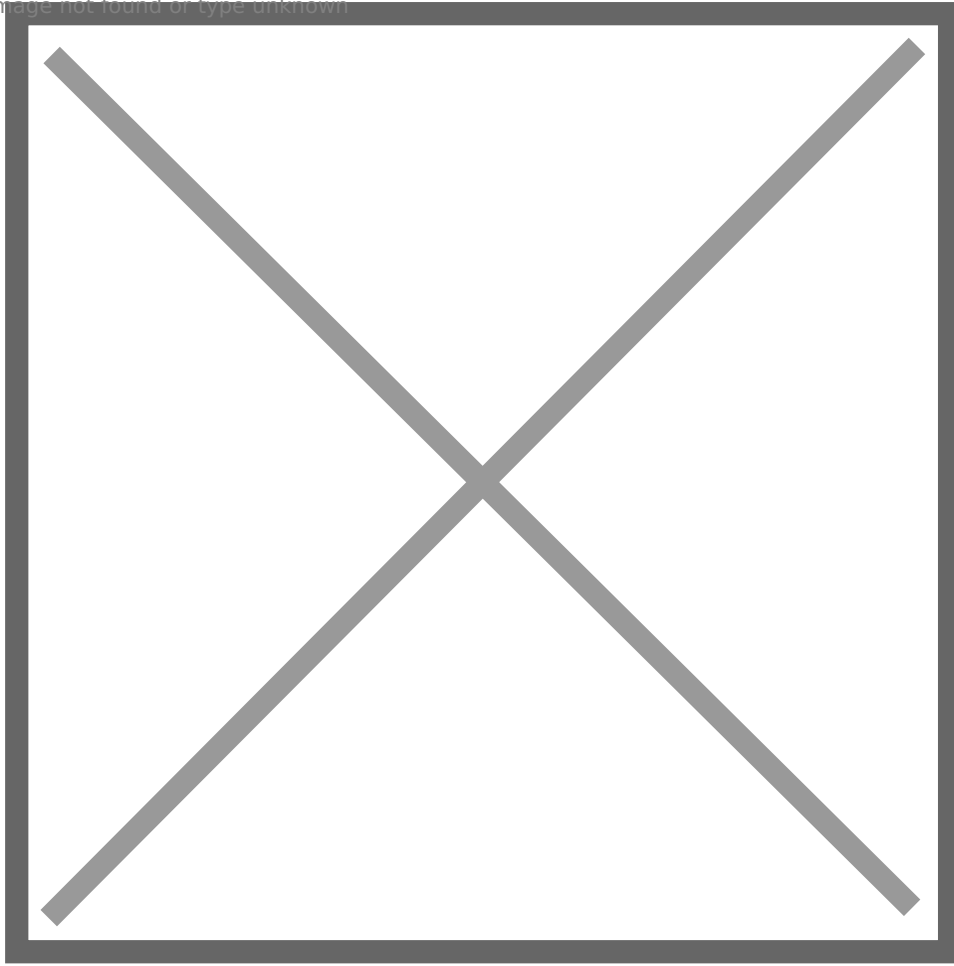


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On the next page, go to “Change Connection Settings”:

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The configuration to be done in the "Connection" and "Security" tab is explicit in the two images below:

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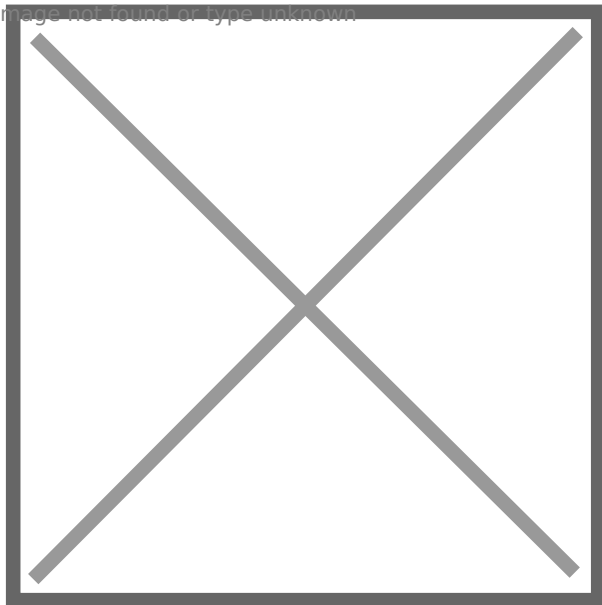
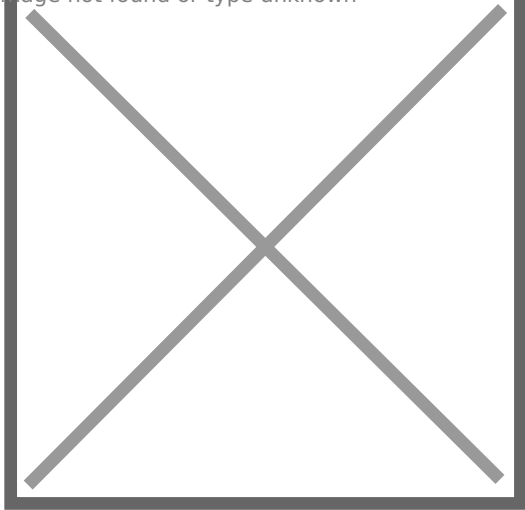
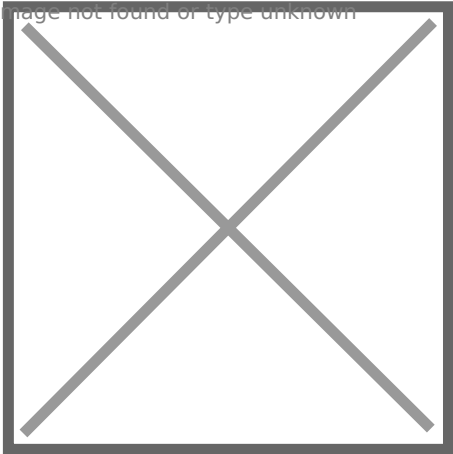


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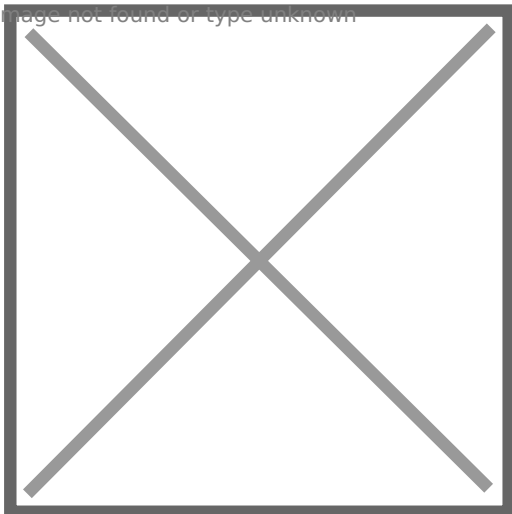
On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

Image not found or type unknown



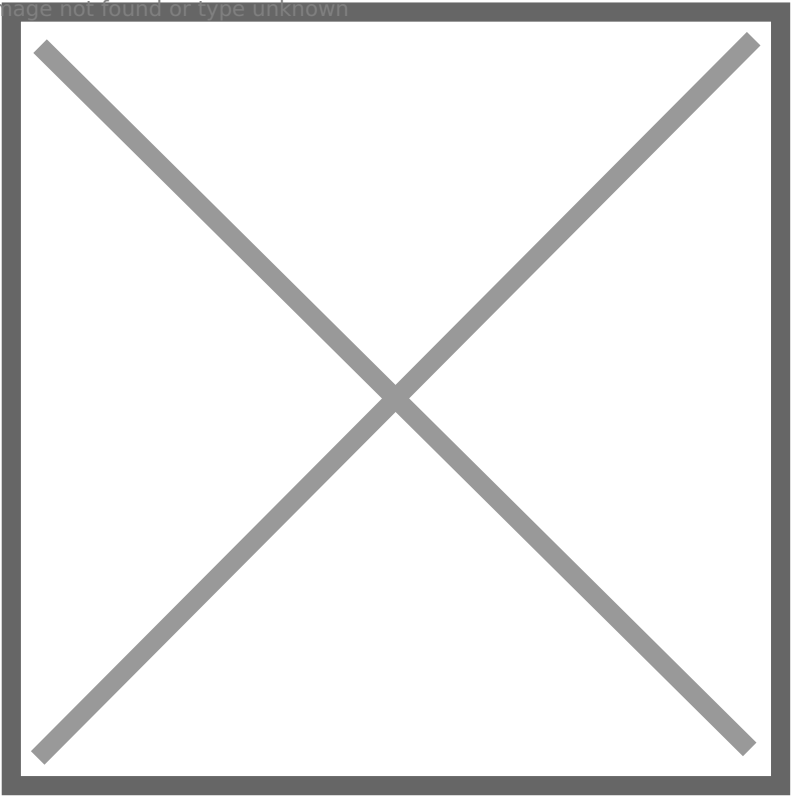
In turn go to “Configure” and uncheck “Automatically use login name (...)”:

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Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

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# Setup eduroam Wi-Fi in Windows 7

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 7

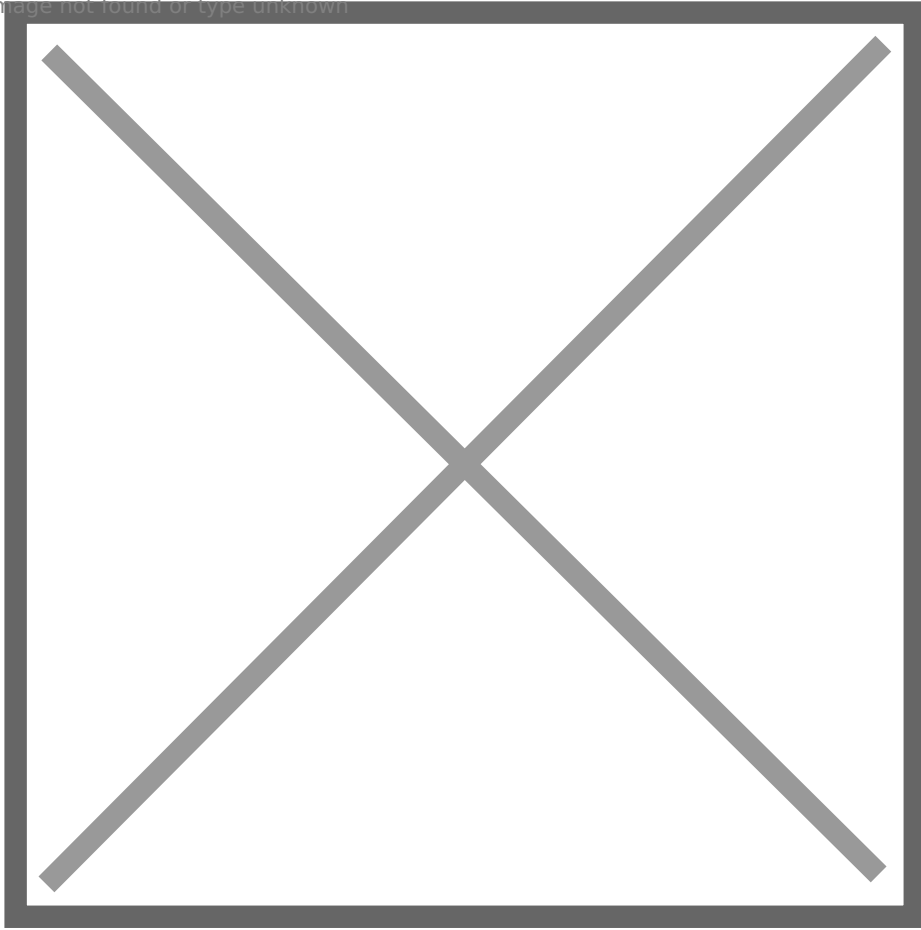
### Introduction

In this document you will be presented step by step the installation of Eduroam Wireless Network.

### Windows 7

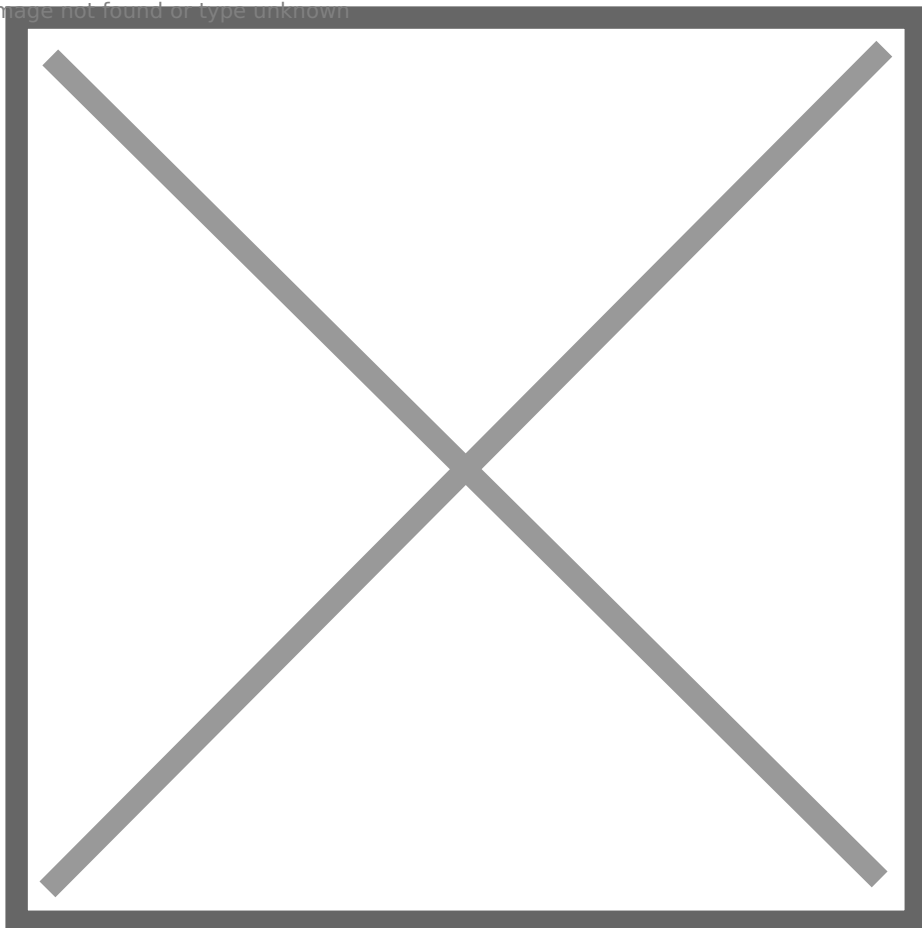
Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

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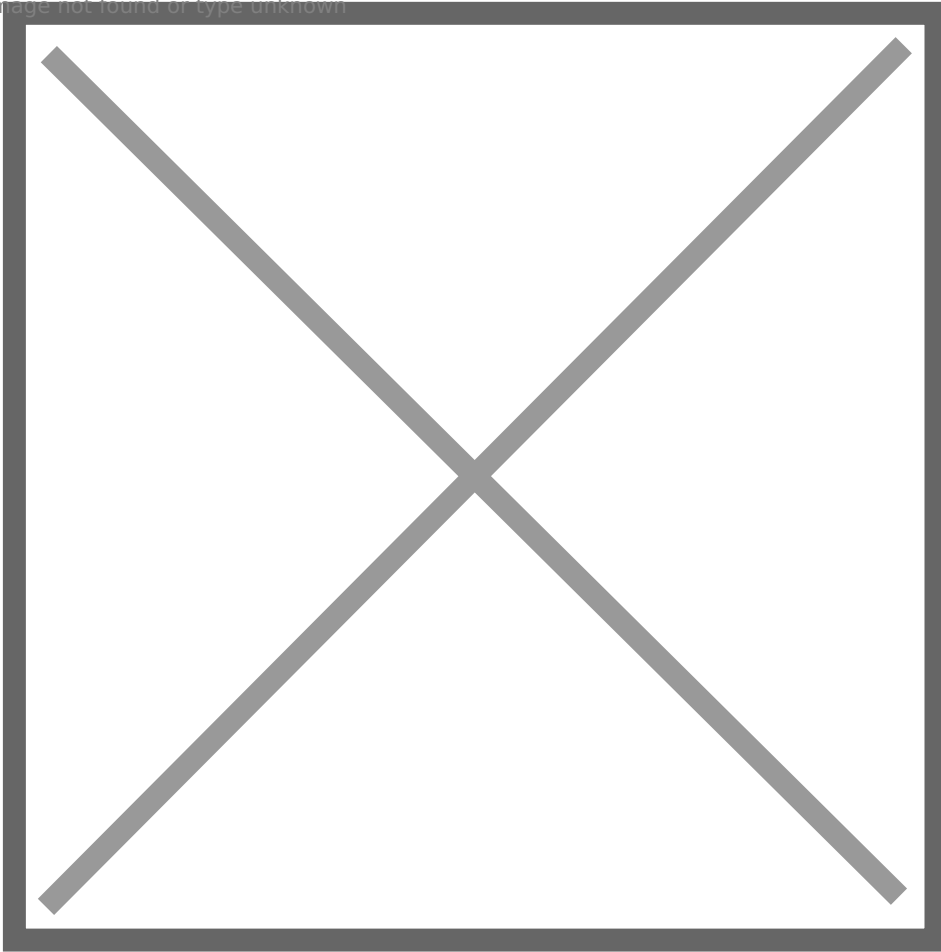
Then click on “Manually connect to a wireless network”:

Image not found or type unknown



The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

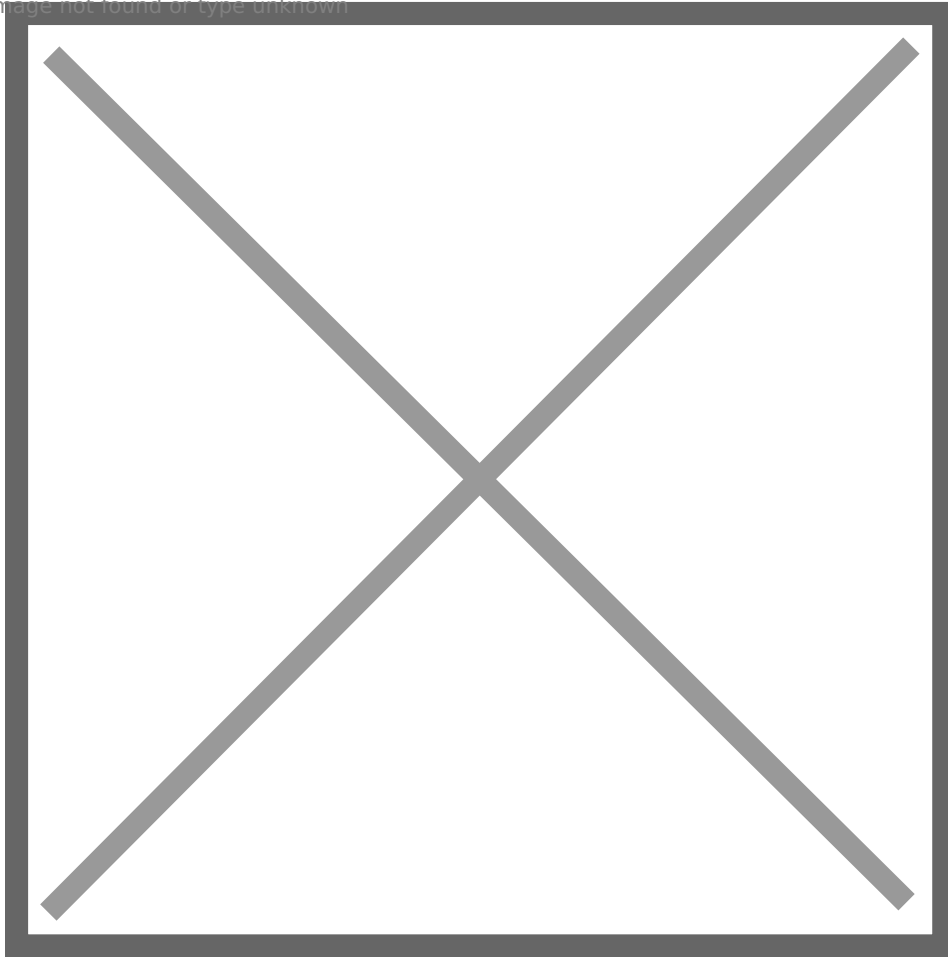
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On the next page, go to “Change Connection Settings”:



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The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

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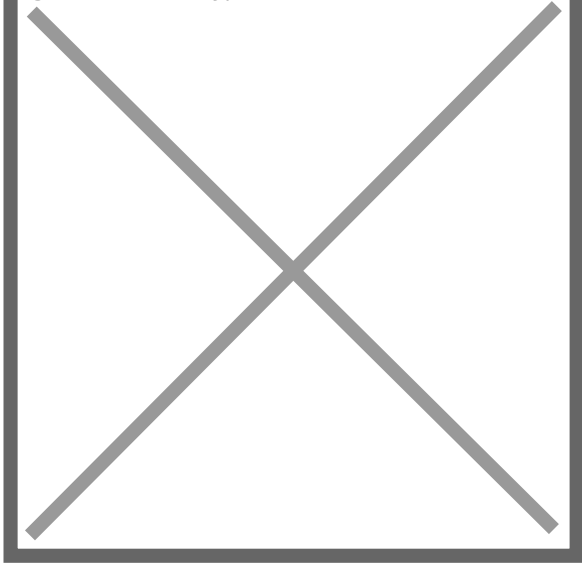


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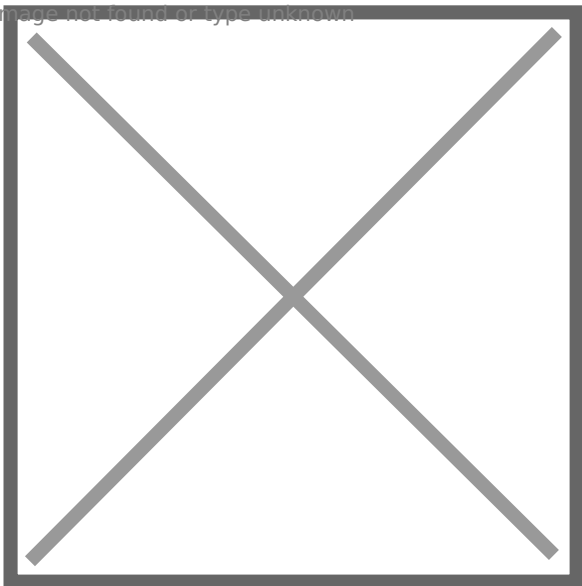
On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

Image not found or type unknown



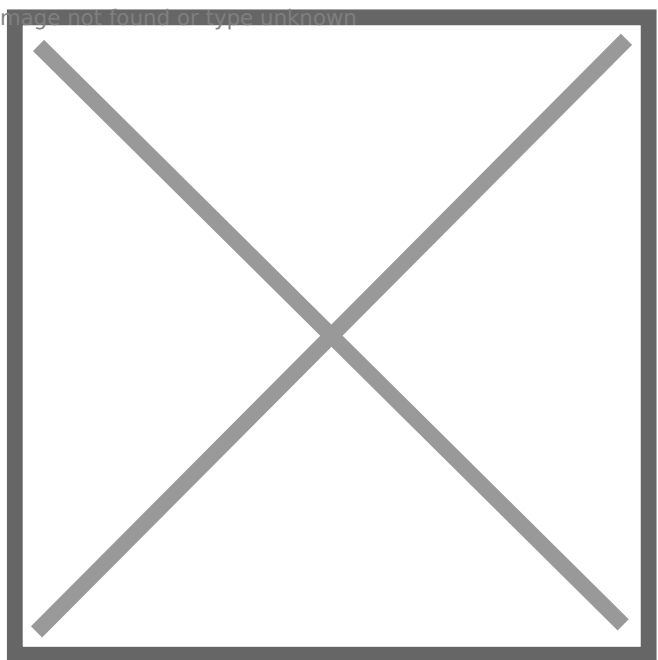
In turn go to “Configure” and uncheck “Automatically use login name (...)”:

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Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

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# Setup eduroam Wi-Fi in Windows 8.1

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 8

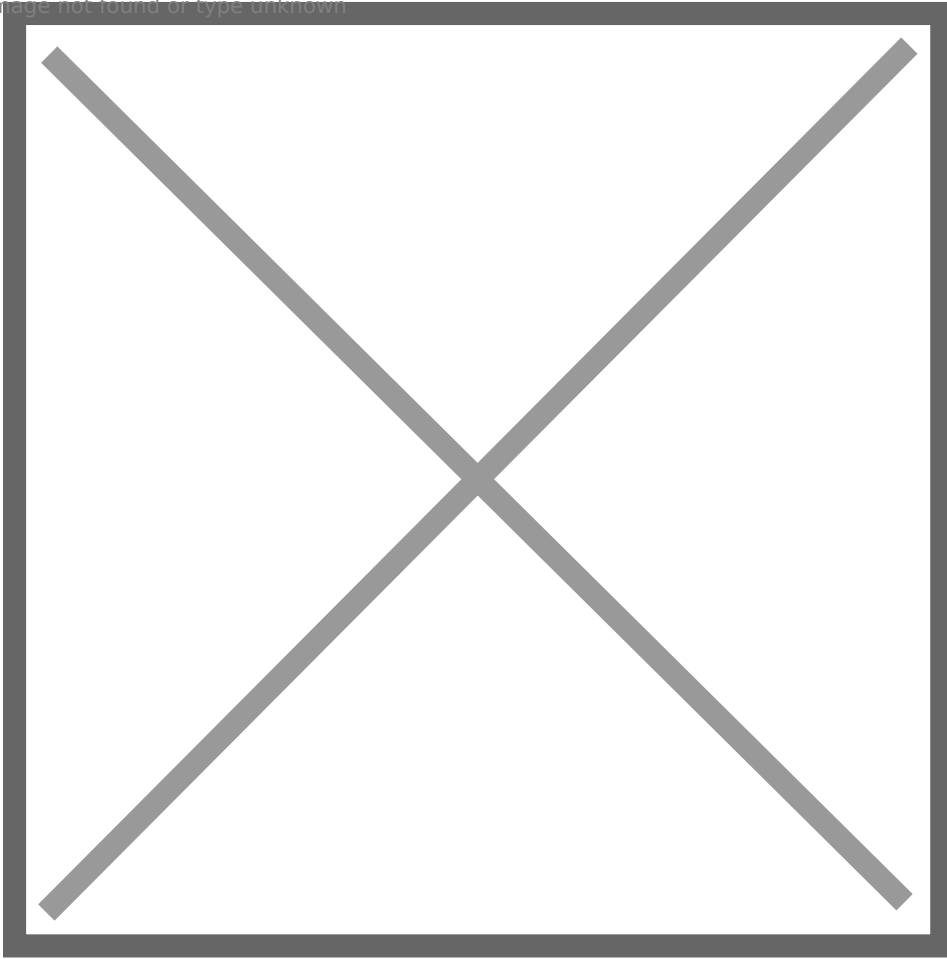
### Introduction

In this document you will be presented step by step the installation of Eduroam Wireless Network.

### Windows 8.1

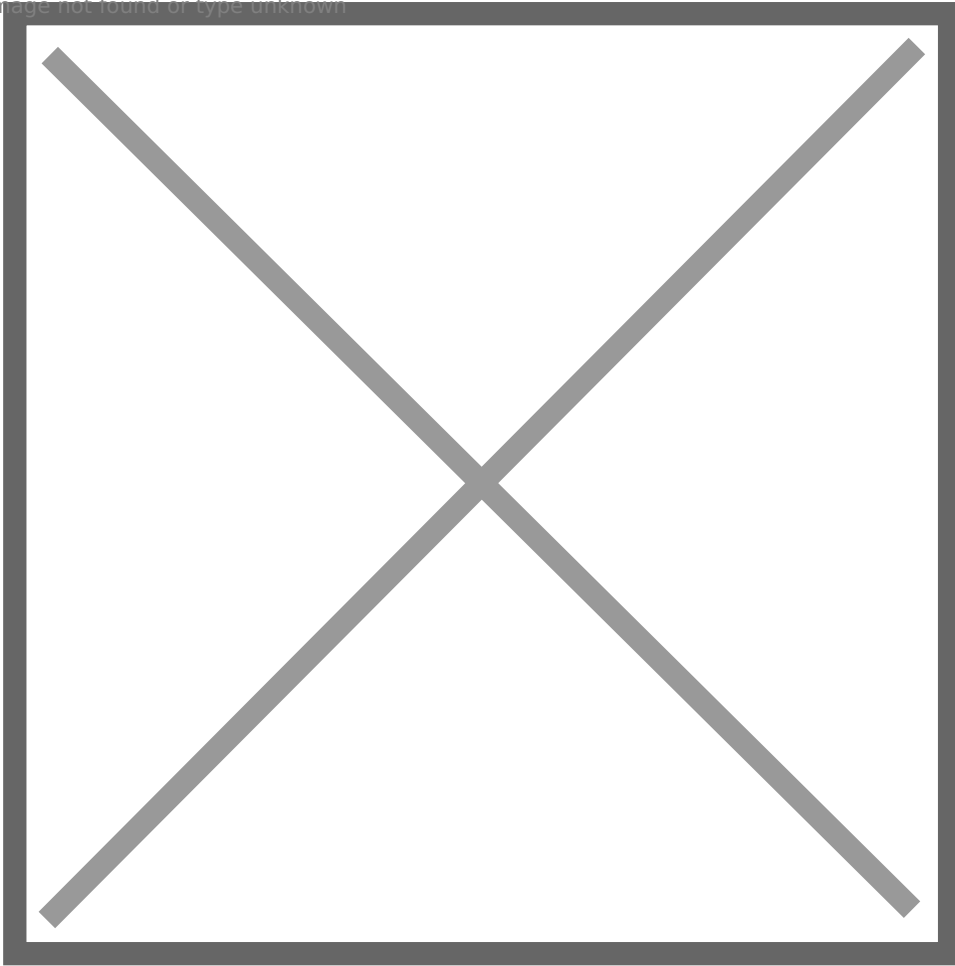
Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

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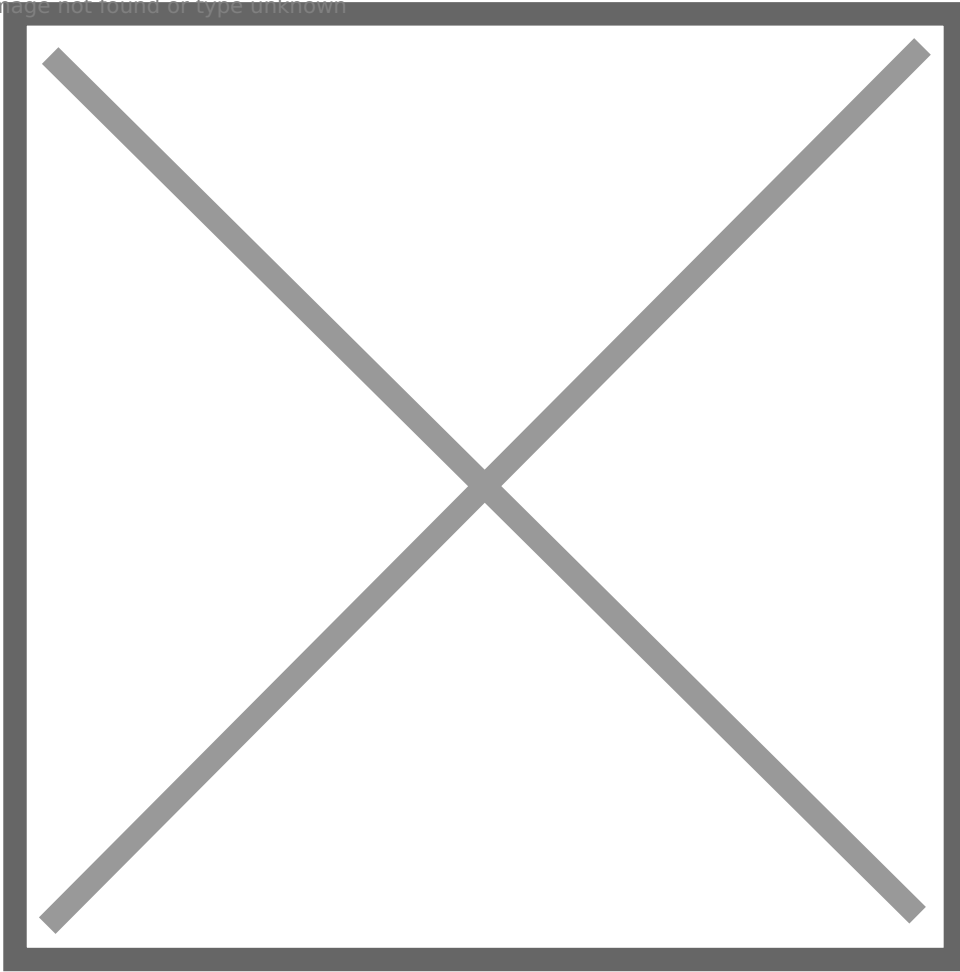
Then click on “Manually connect to a wireless network”:

Image not found or type unknown



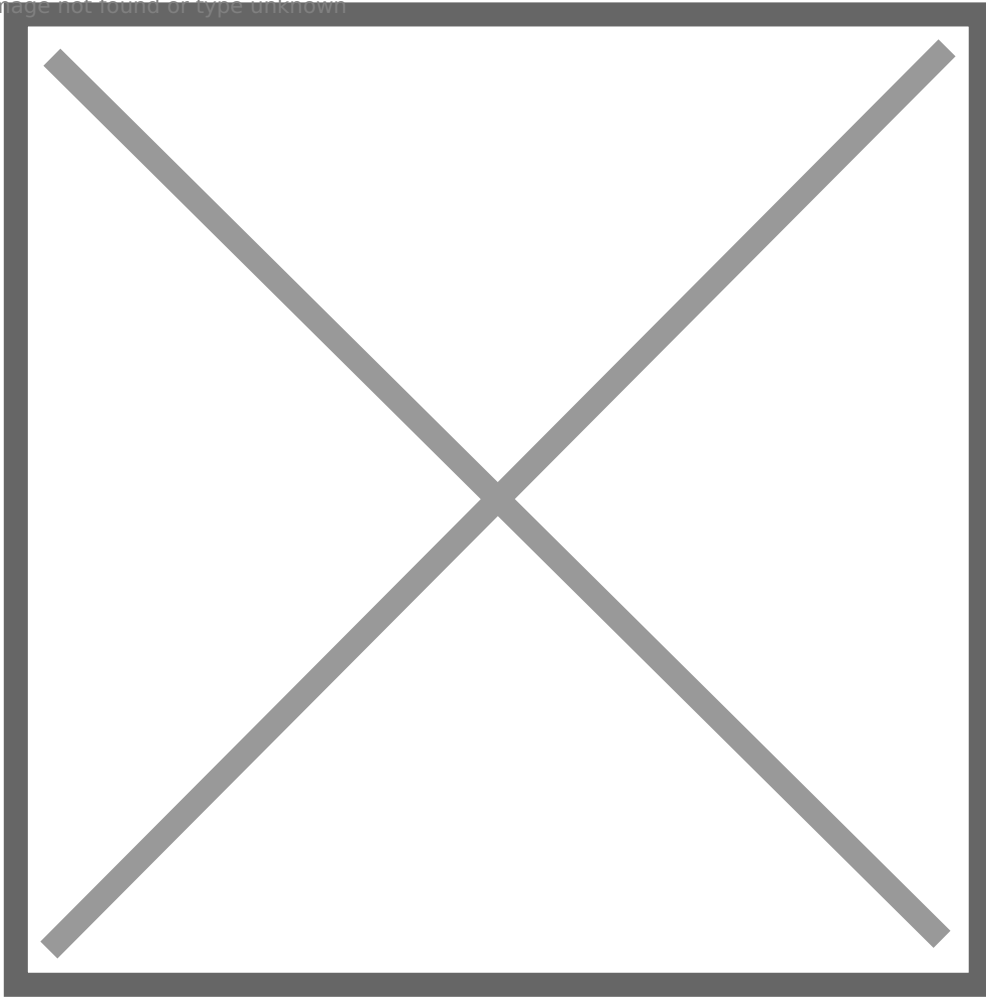
The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

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On the next page, go to “Change Connection Settings”:

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The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

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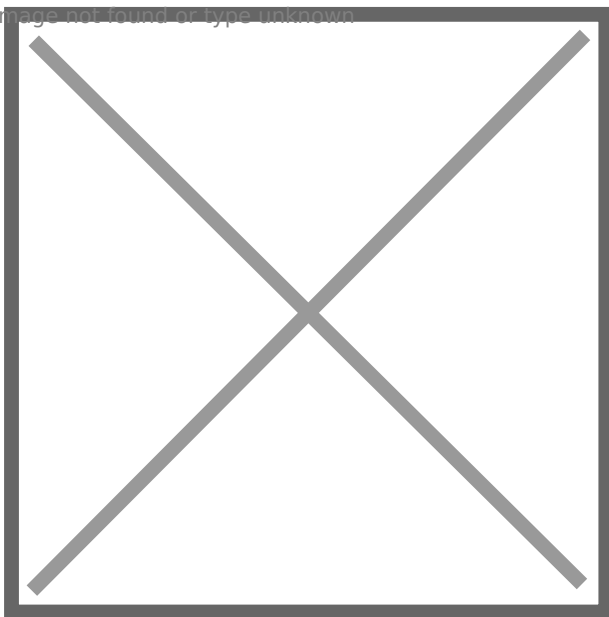
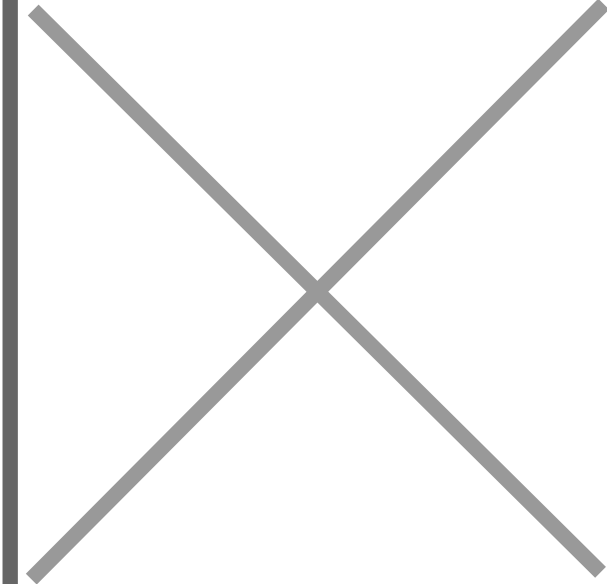


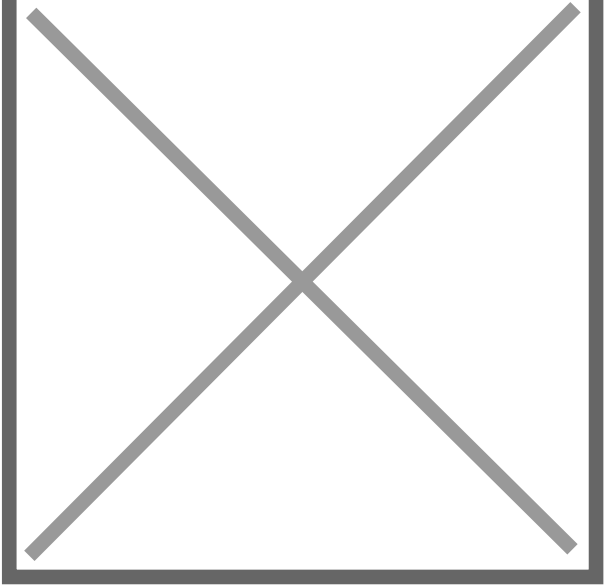


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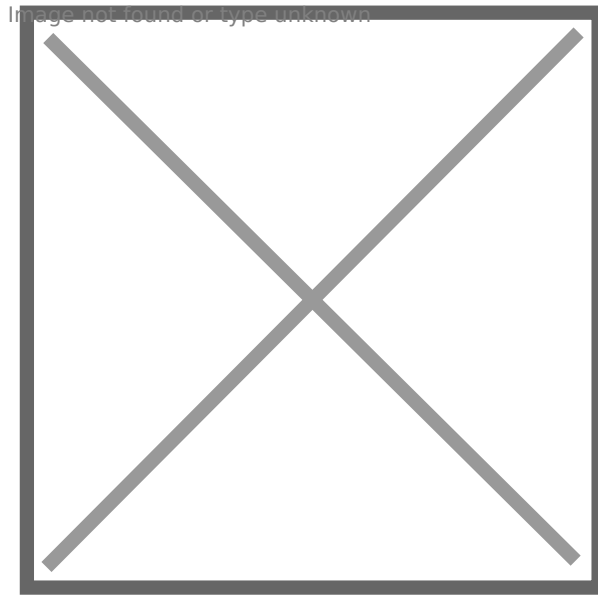


On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

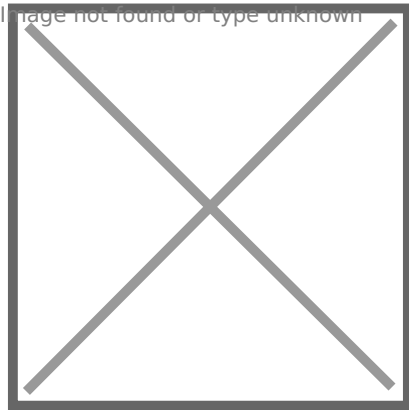
Image not found or type unknown



In turn go to “Configure” and uncheck “Automatically use login name (...)”:



Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:



# Setup eduroam Wi-Fi in Android

To use this service you need a @deec.uc.pt or @uc.pt account!

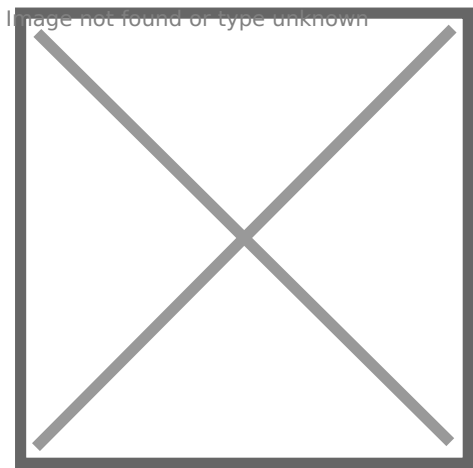
## DEEC Network Installation Manual on Android

### Introduction

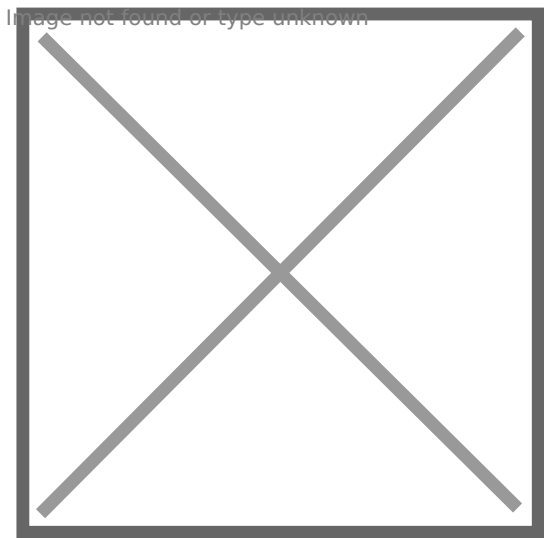
In this document, the installation of the Eduroam Wireless Network will be presented step by step.

### Android

Go to "Settings", "Wi-Fi", select the "Eduroam" network, as in the follg image:

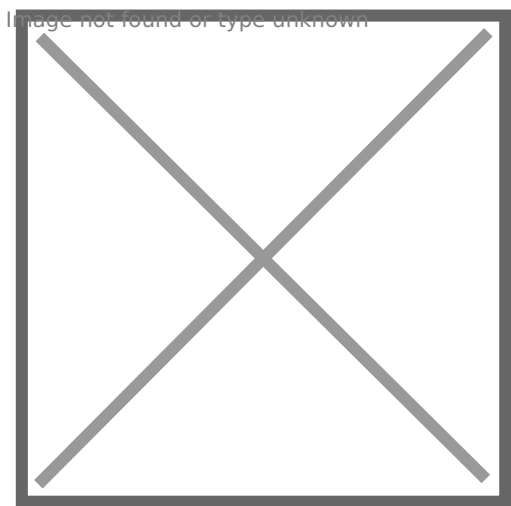


Then choose the option "PEAP" in the field "EAP method", as in the following image:



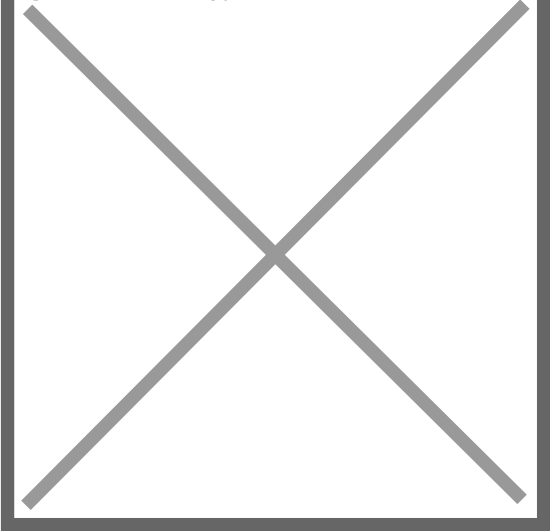
After that, new fields will appear to fill in.

In the “Authentication phase 2” field, you must choose the option “MSCHAPV2”, as in the following image:



Finally, you only need to enter your user credentials (fields: “Identity” and “Password”) in the [DEEC.UC.PT](https://deec.uc.pt) domain, as in the following example:

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# Setup eduroam Wi-Fi in Iphone

To use this service you need a @deec.uc.pt or @uc.pt account!

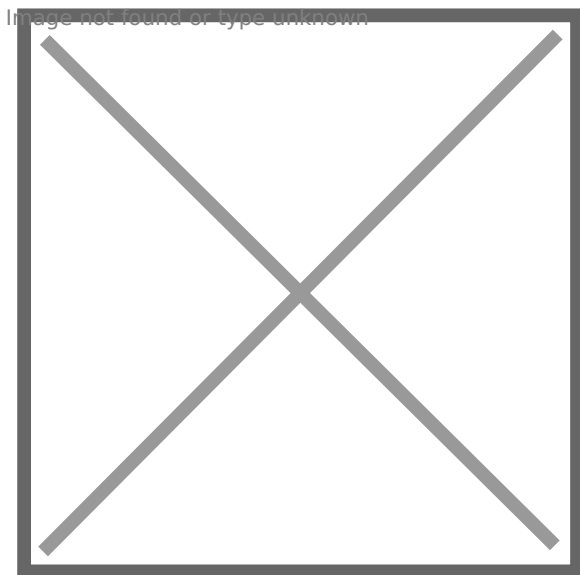
## IPhone DEEC Network Installation Manual

### Introduction

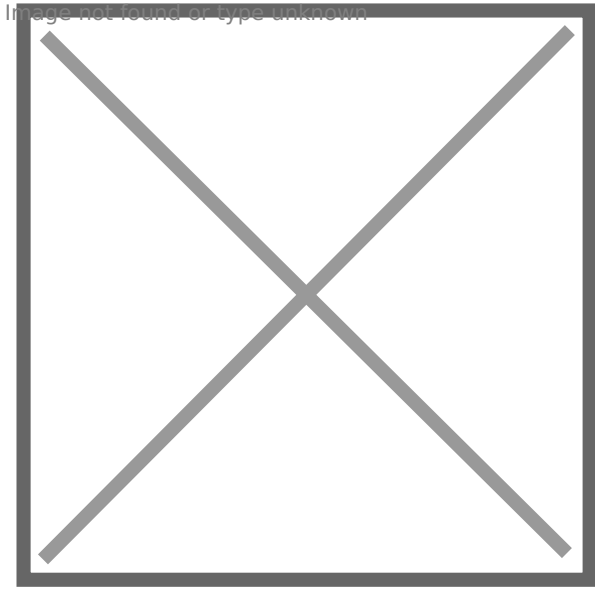
In this document, the installation of the Eduroam Wireless Network will be presented step by step.

### iPhone

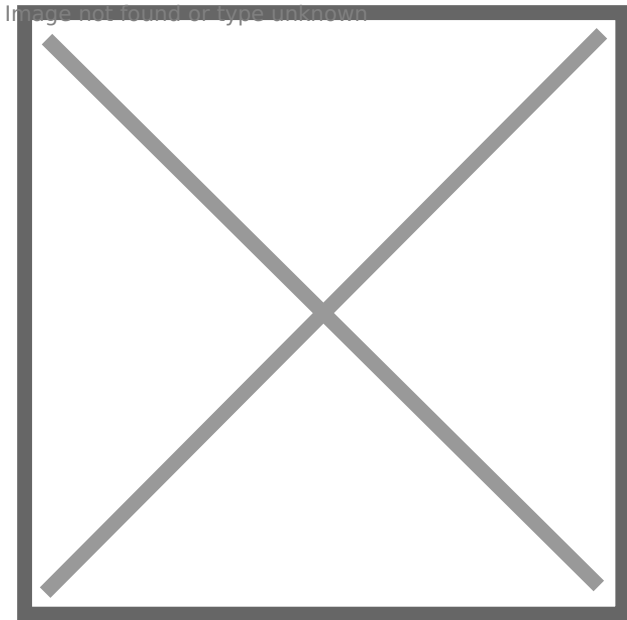
Go to "Settings", "Wi-Fi", select the "eduroam" network, as in the following image:



Then, you only need to enter your user credentials (fields: "User name" and "Password"), as in the following example:

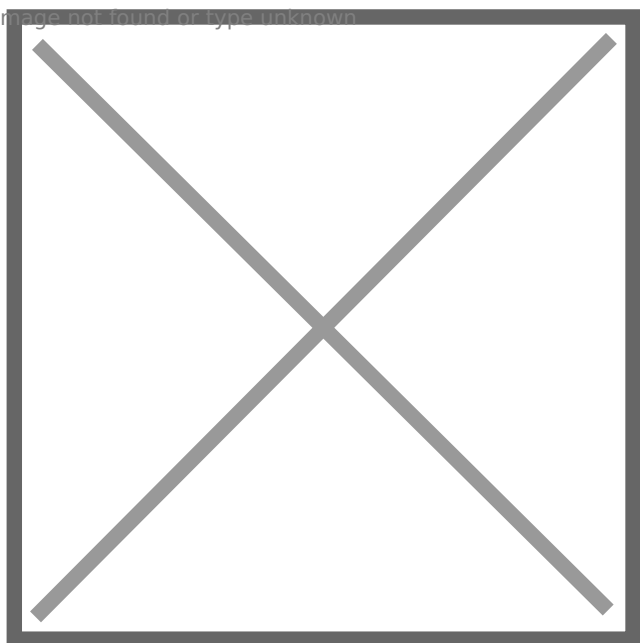


Then it is necessary to press “Accept”, as in the following image.



After completing these steps, the device accesses the network:

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# Setup DEEC Wi-Fi in Windows 7

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 7

### Introduction

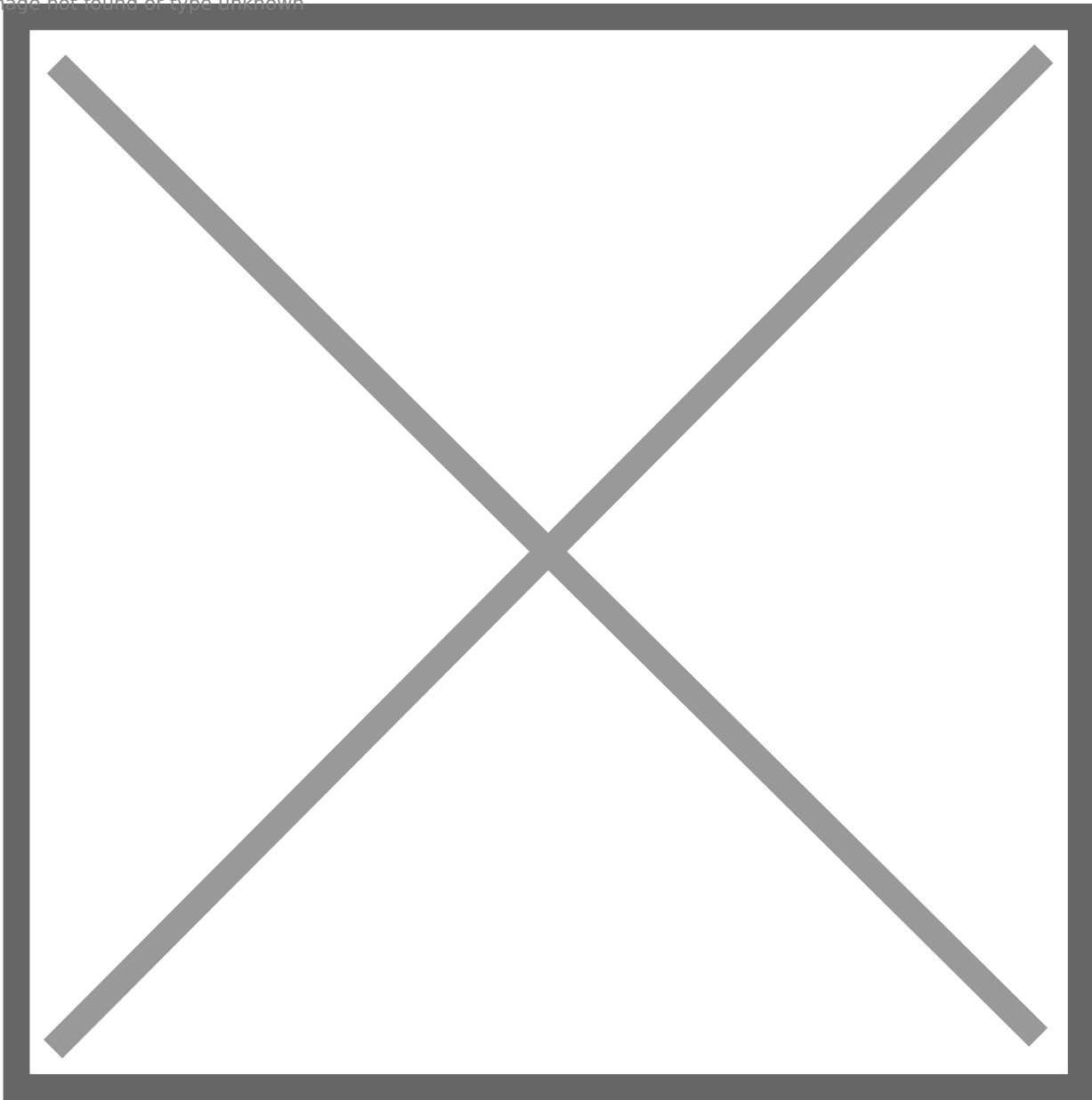
In this document you will be presented step by step the installation of DEEC Wireless Network.

In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

### Windows 7

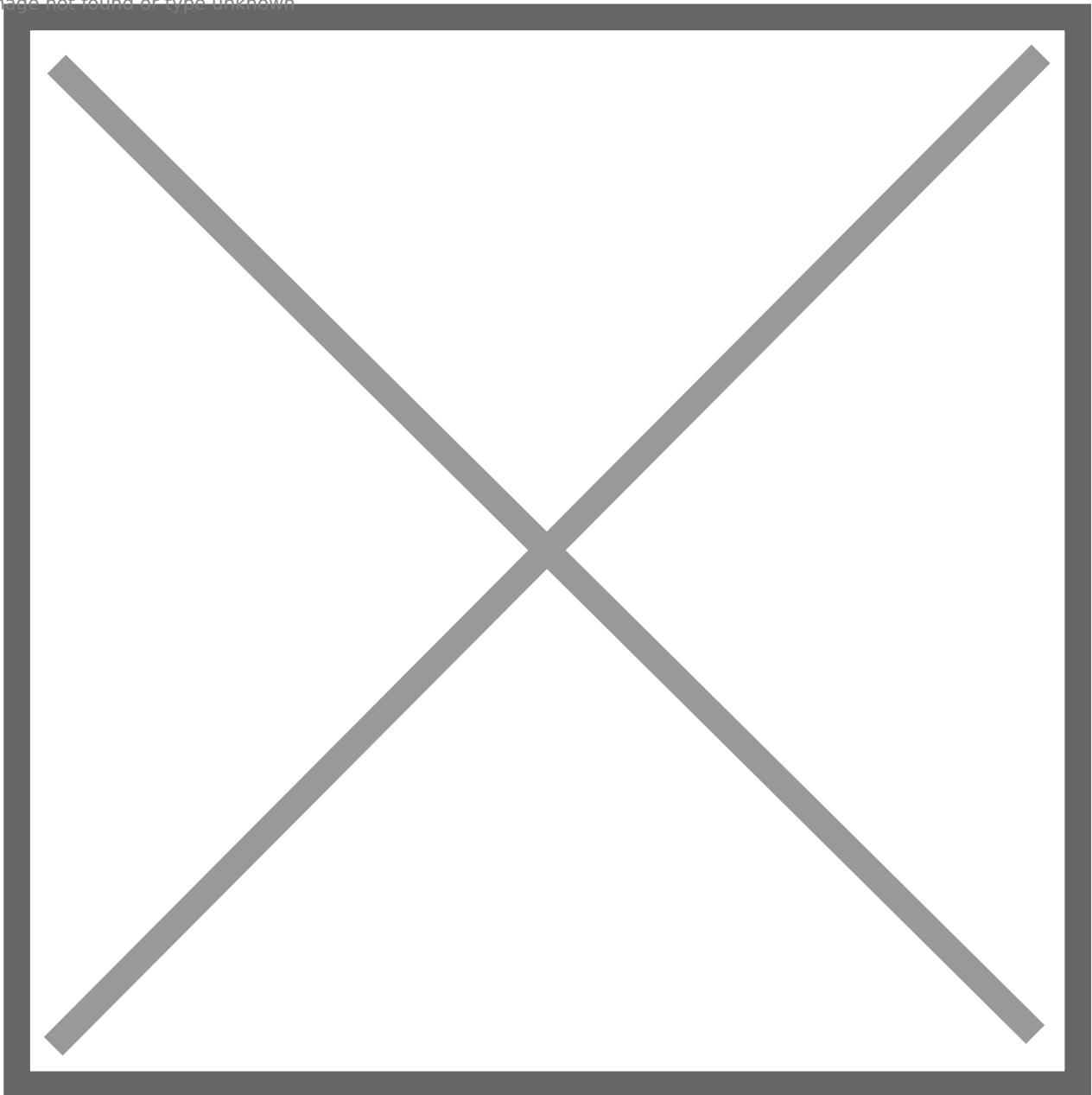
Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

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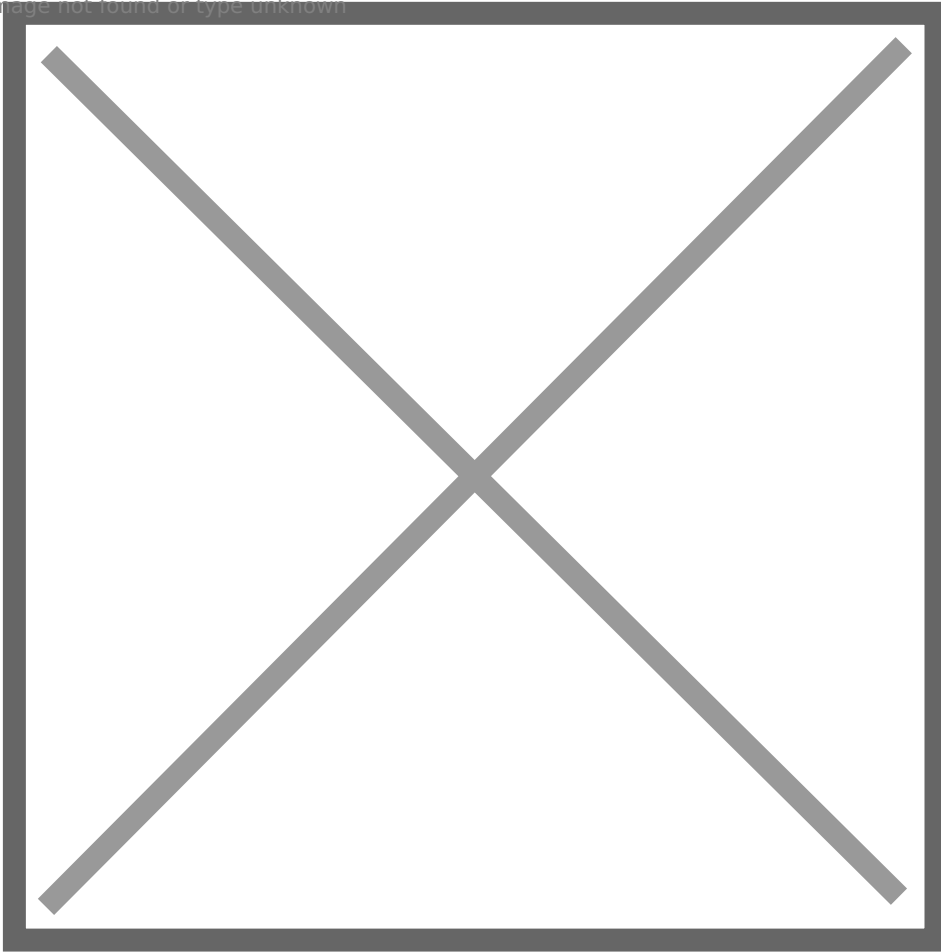
Then click on “Manually connect to a wireless network”:

Image not found or type unknown



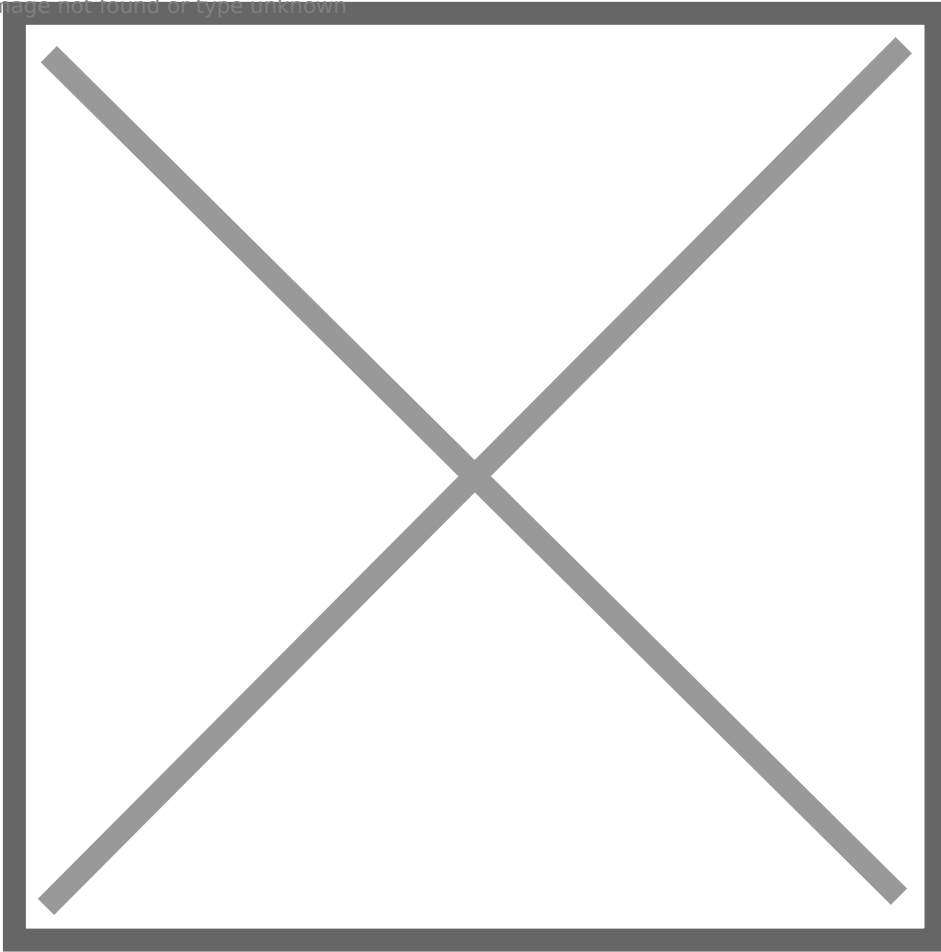
The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

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On the next page, go to “Change Connection Settings”:

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The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

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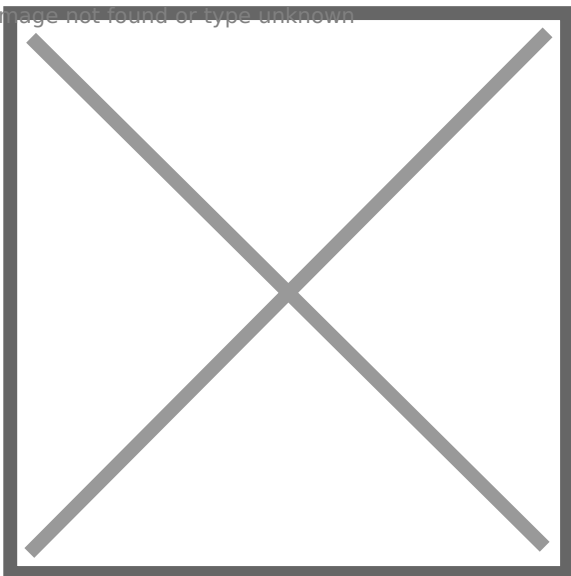
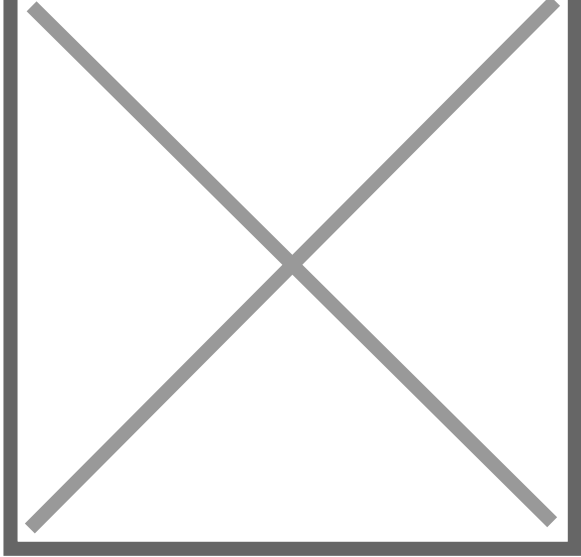
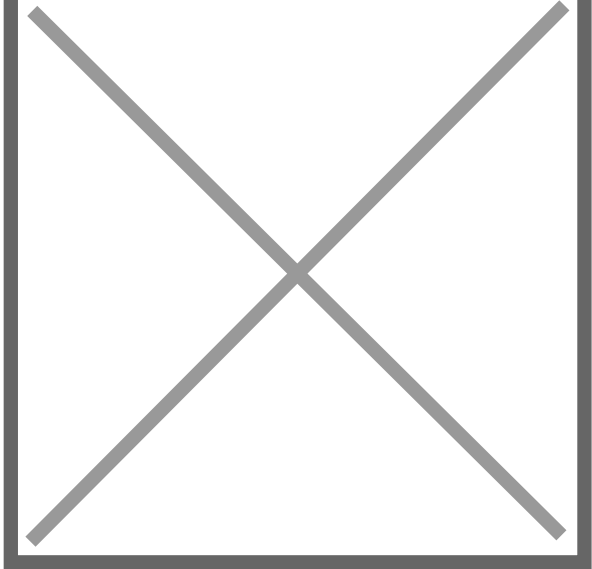


Image not found or type unknown



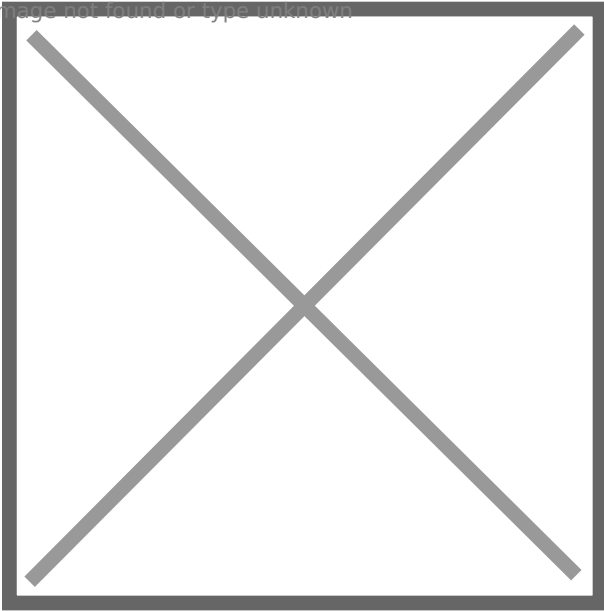
On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

Image not found or type unknown



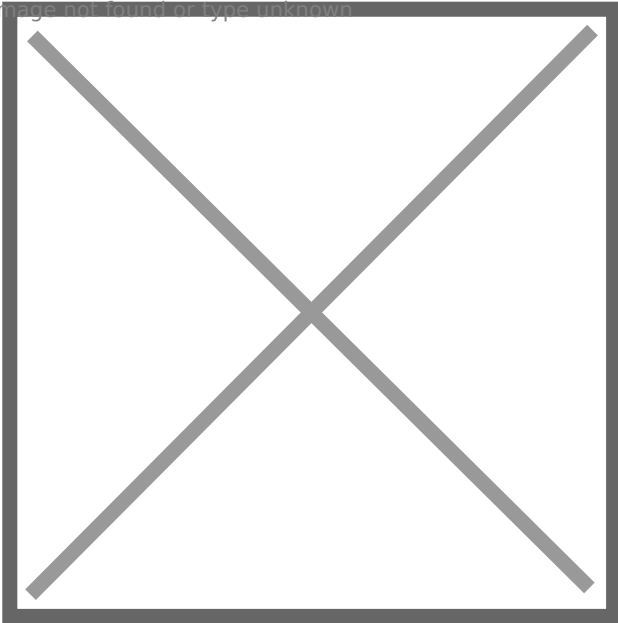
In turn go to “Configure” and uncheck “Automatically use login name (...)”:

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Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

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# Setup DEEC Wi-Fi in Windows 8.1

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 8

### Introduction

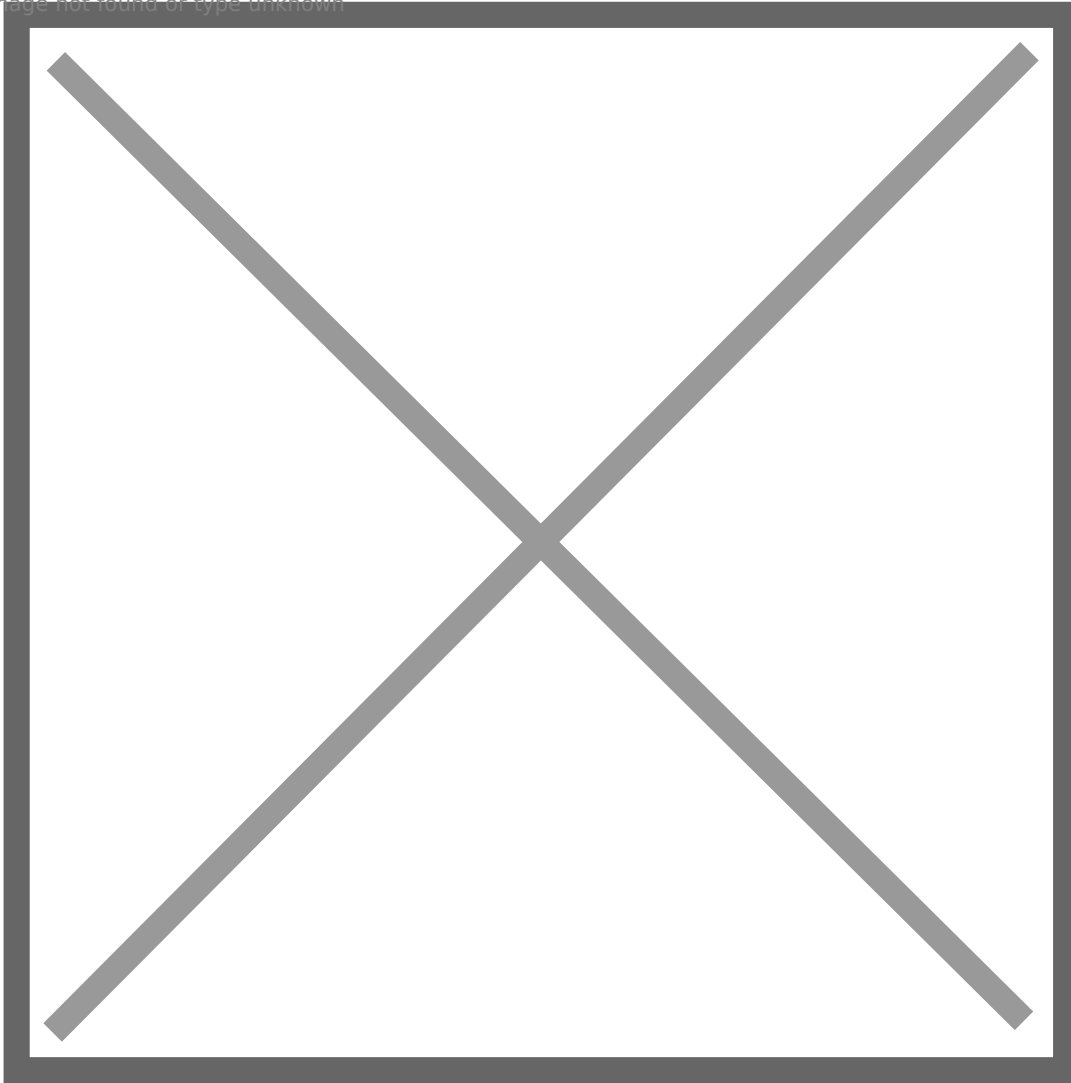
In this document you will be presented step by step the installation of DEEC Wireless Network. In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

### Windows 8.1

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

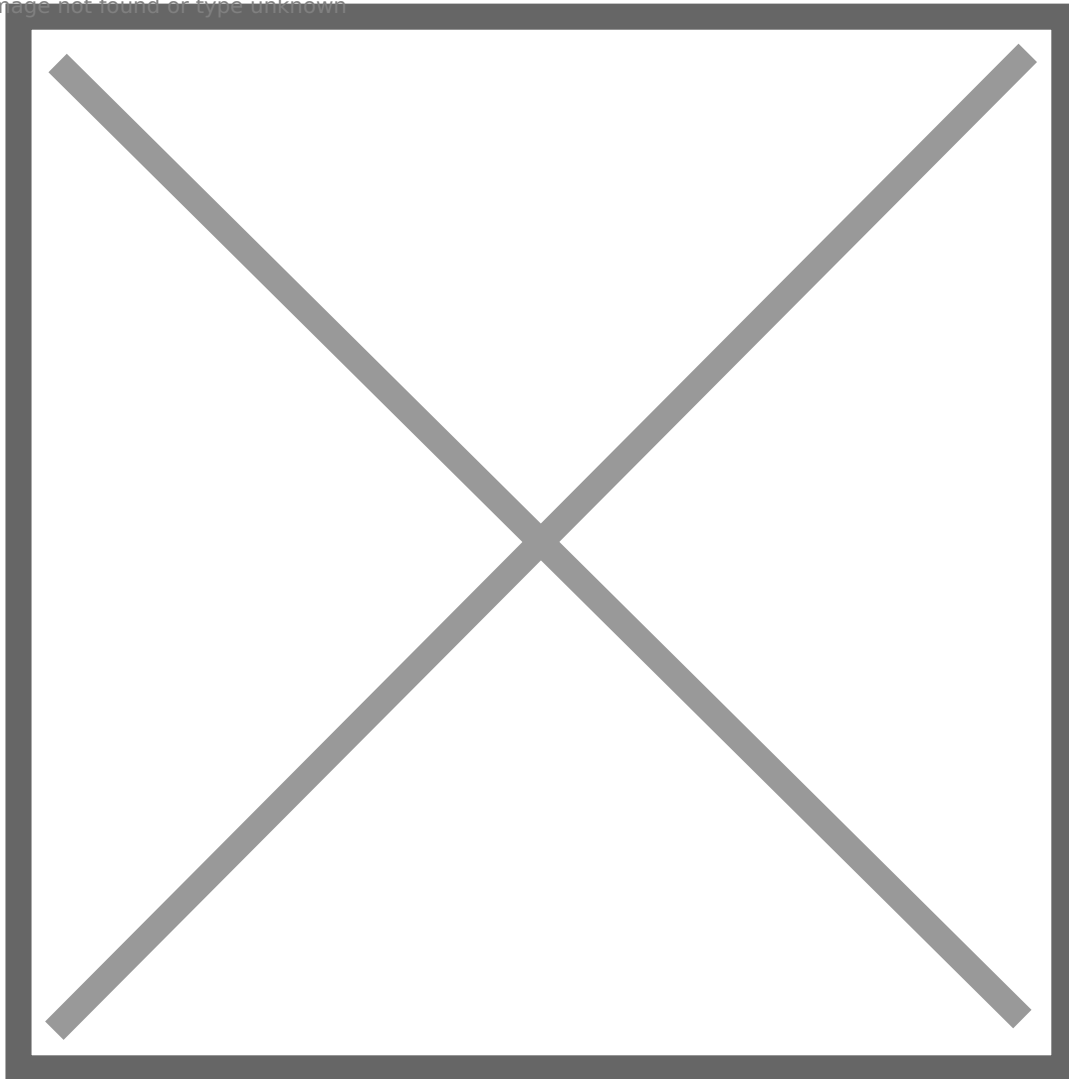


Image not found or type unknown



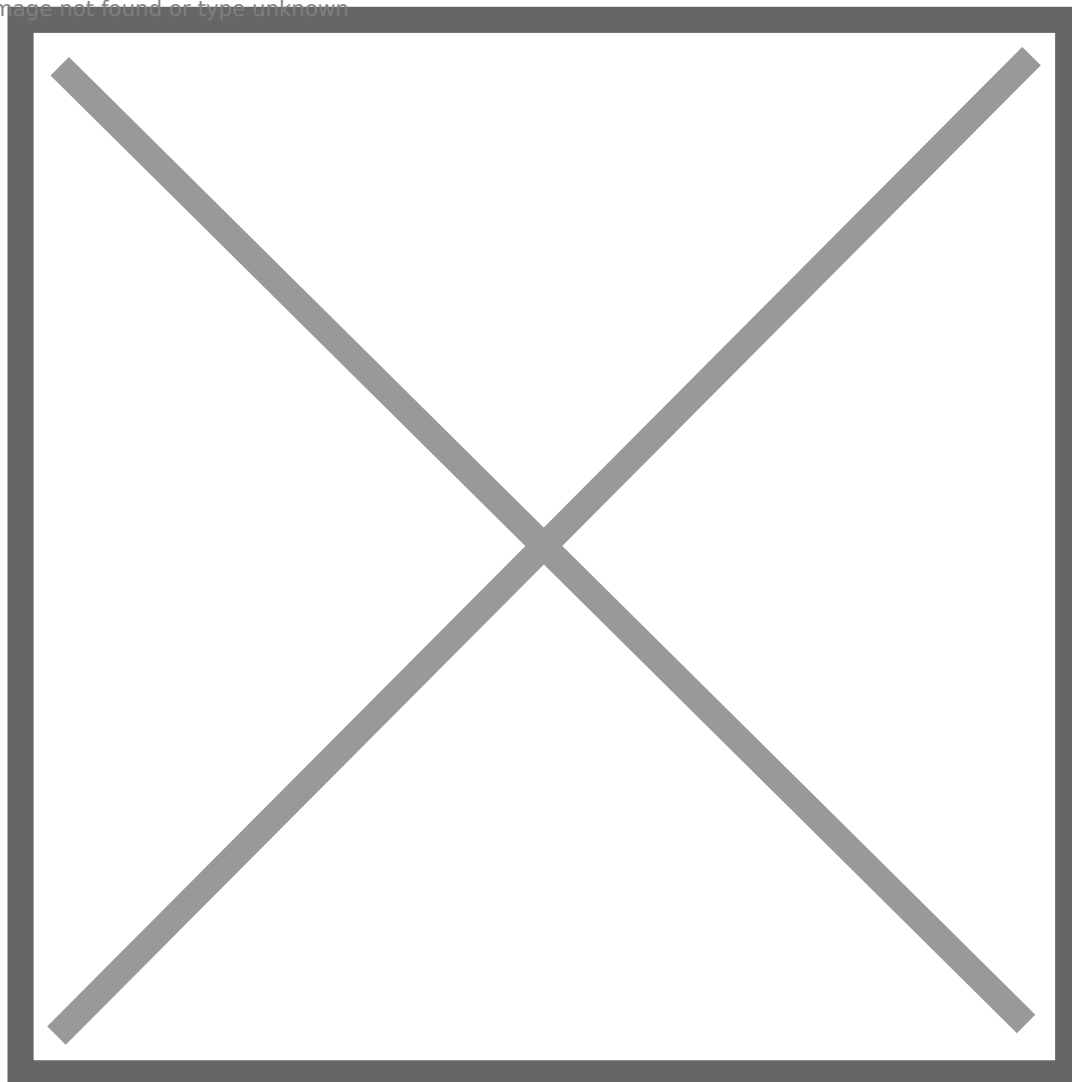
Then click on “Manually connect to a wireless network”:

Image not found or type unknown



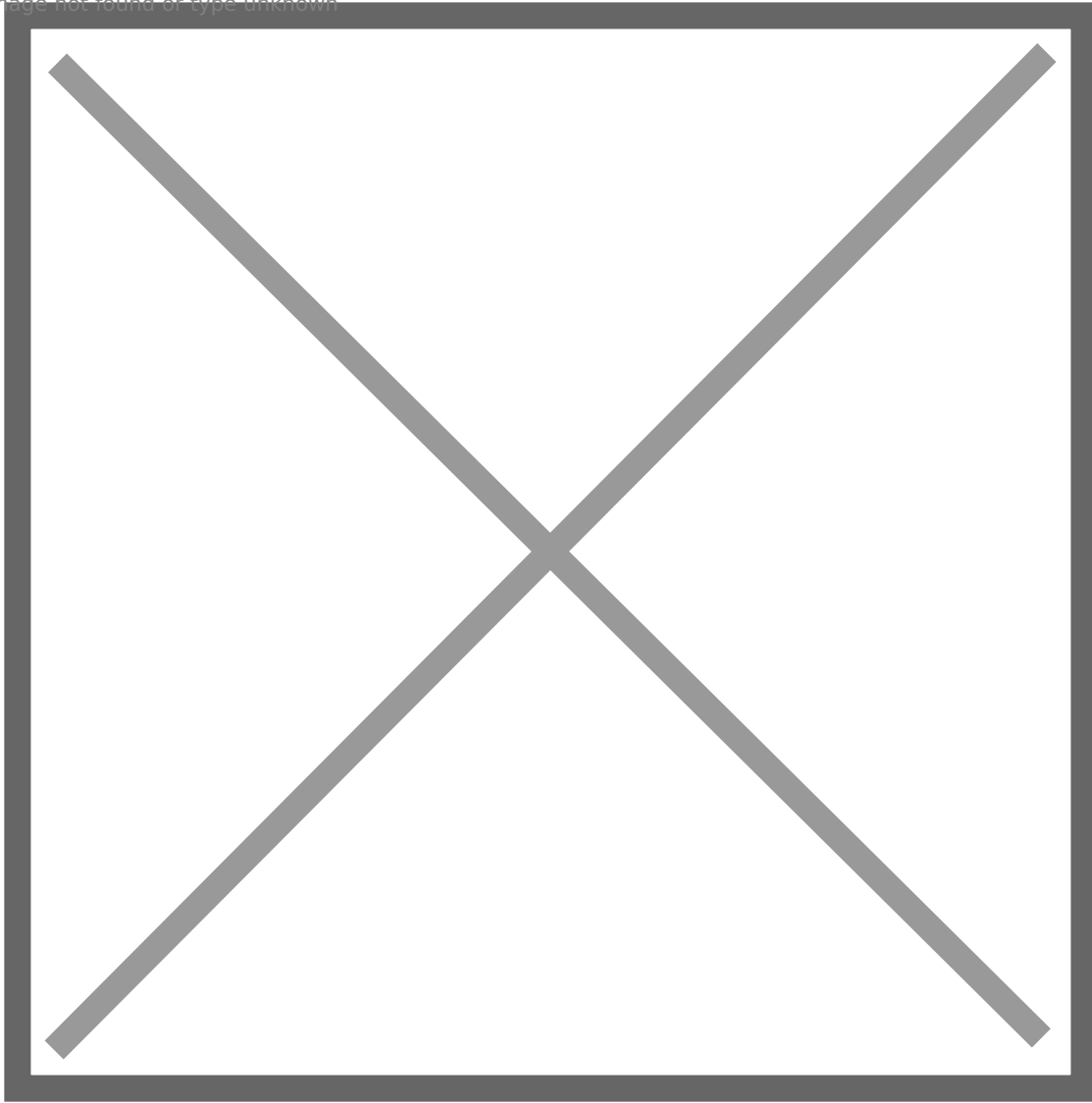
The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

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On the next page, go to “Change Connection Settings”:

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The configuration to be made in the "Connection" and "Security" tab is explicit in the two images below:

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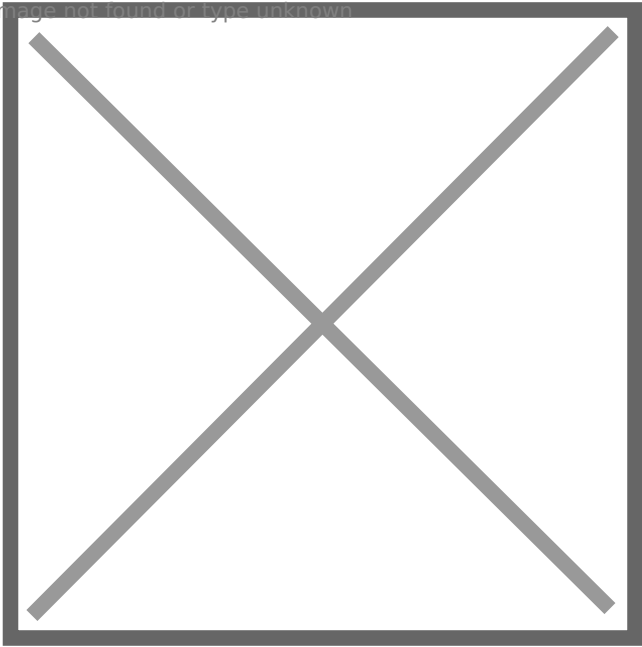
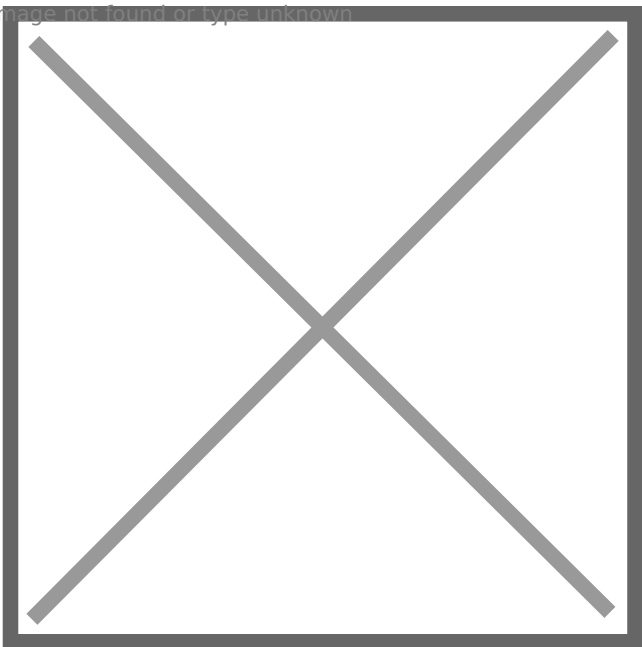
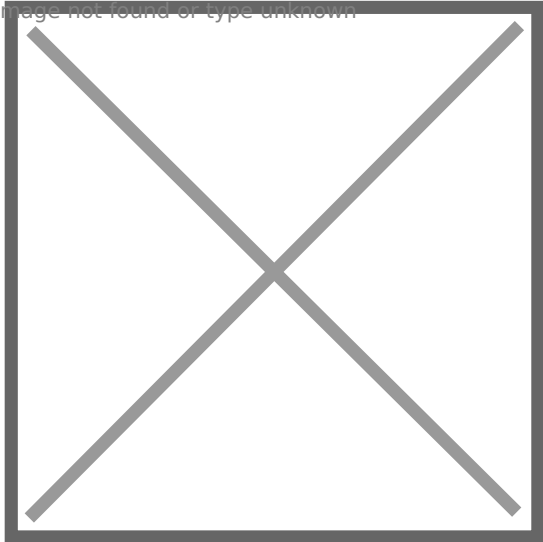


Image not found or type unknown



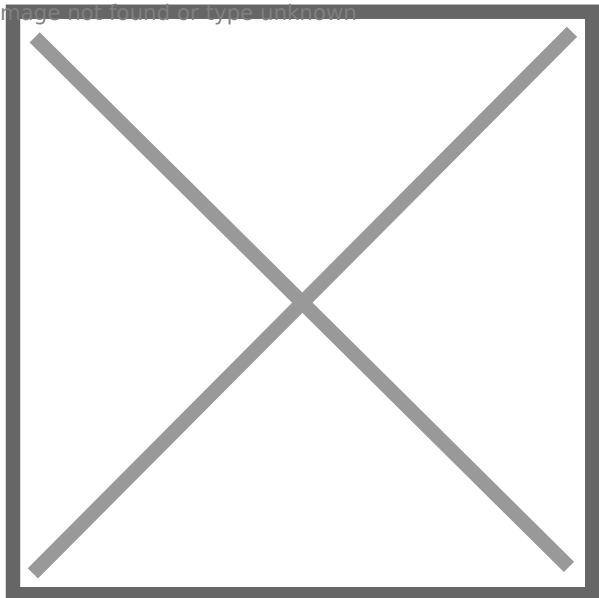
On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

Image not found or type unknown



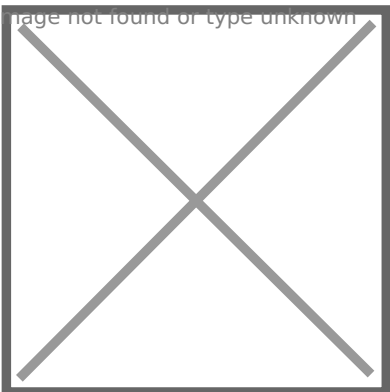
In turn go to “Configure” and uncheck “Automatically use login name (...)”:

Image not found or type unknown



Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

Image not found or type unknown





# Setup DEEC Wi-Fi in Windows 10

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on Windows 10

### Introduction

In this document you will be presented step by step the installation of DEEC Wireless Network.

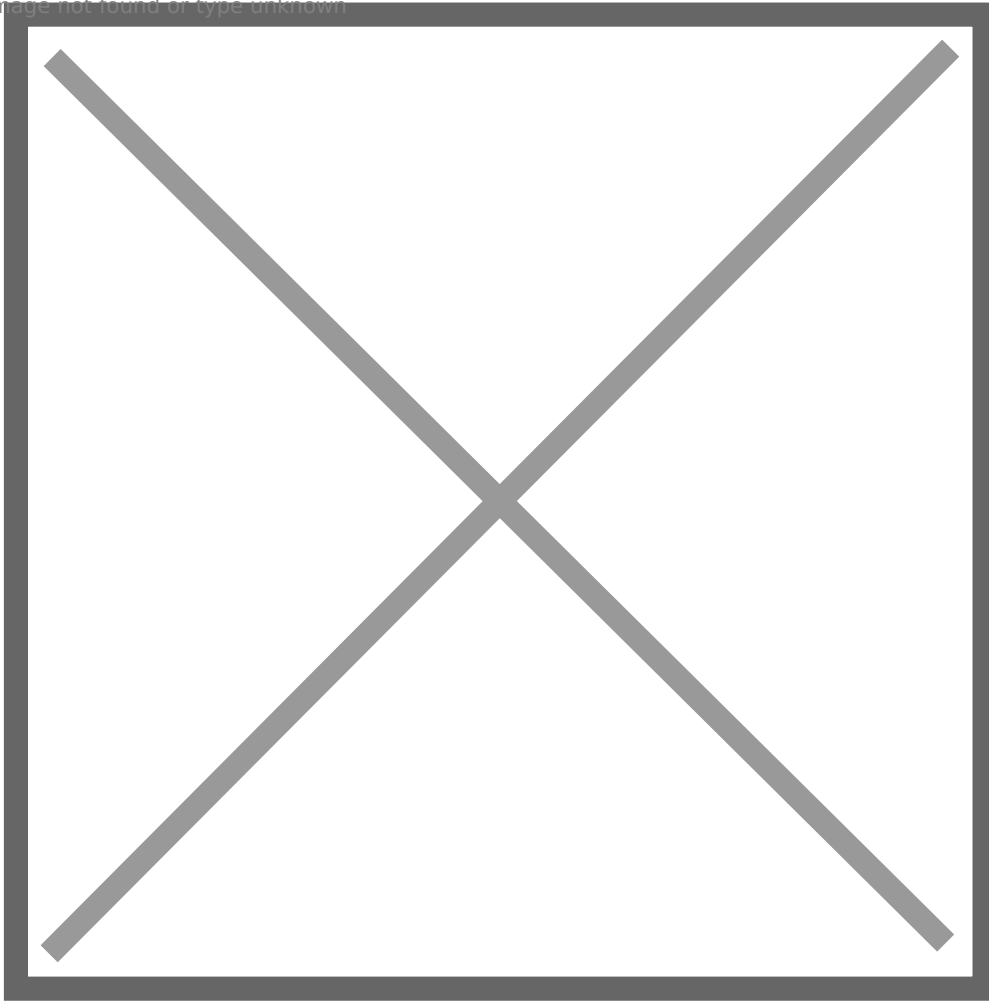
In the images in this document **DEEC-Labs** should be replaced by **DEEC**.

### Windows 10

Go to "Start Menu", "Control Panel", "Network and Internet", "Network and Sharing Center":  
Then click on "Set up a new connection or network":

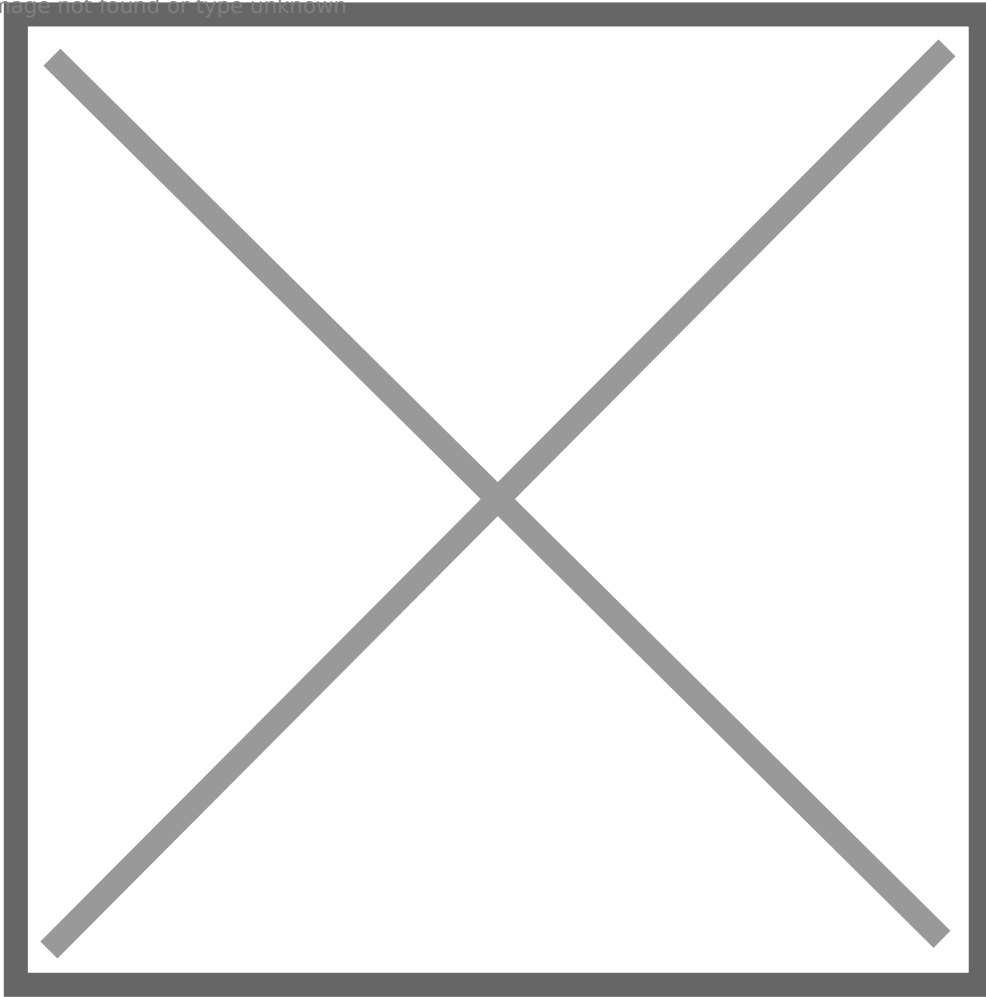


Image not found or type unknown



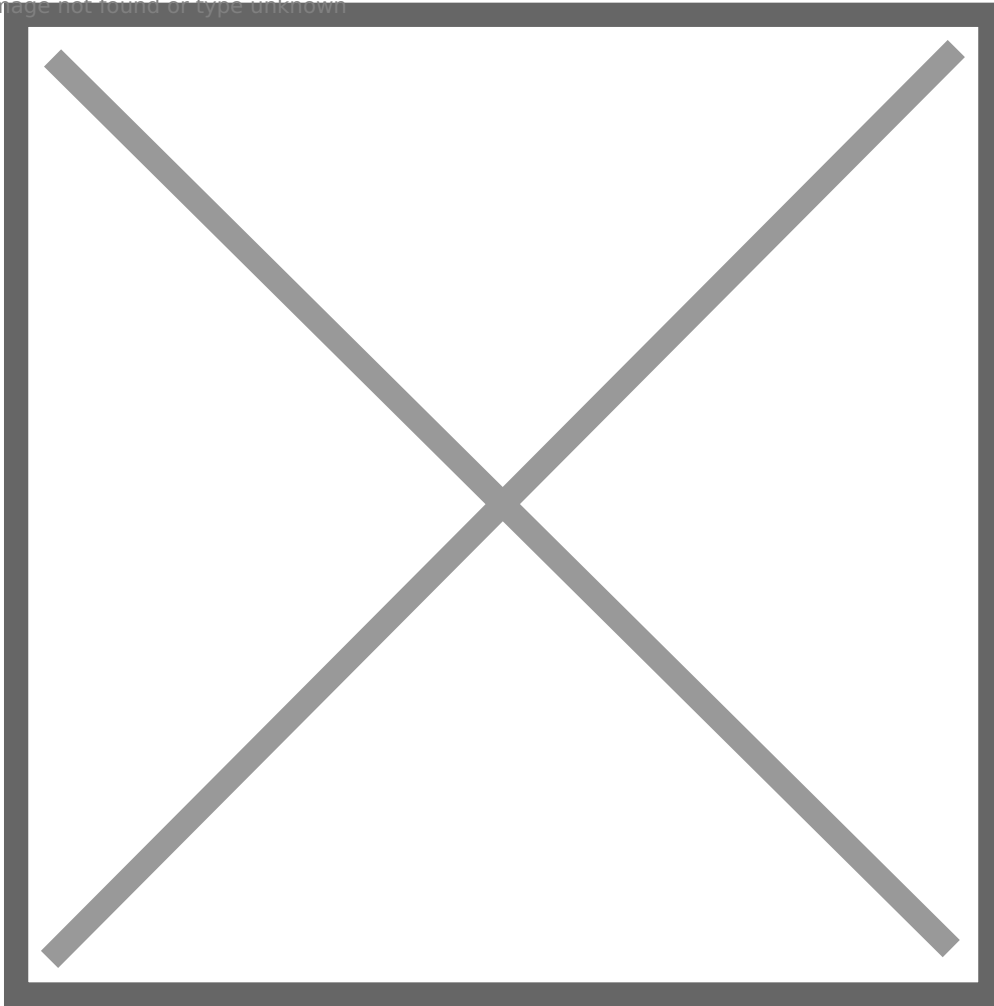
Then click on “Manually connect to a wireless network”:

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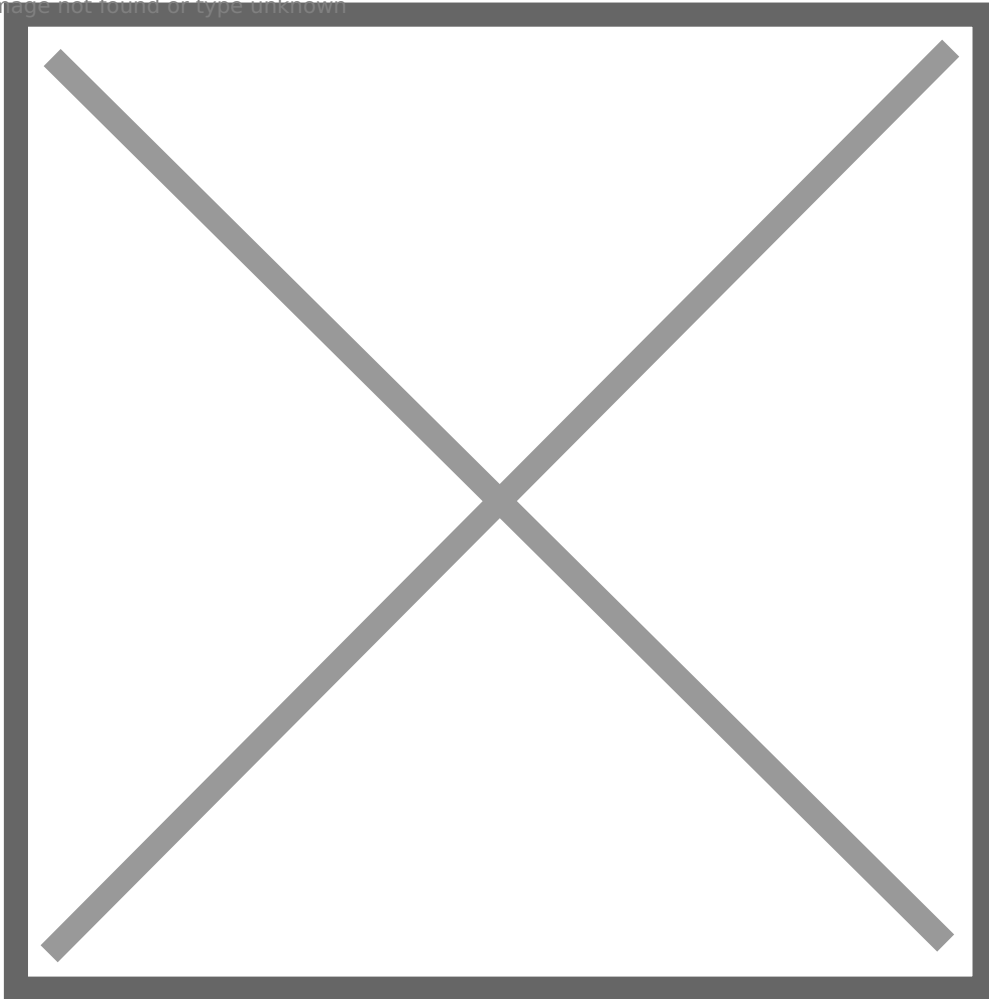
The fields must be completed, according to the following image:  
Attention, the "Network Name" is case sensitive.

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On the next page, go to “Change Connection Settings”:

Image not found or type unknown



The configuration to be done in the "Connection" and "Security" tab is explicit in the two images below:

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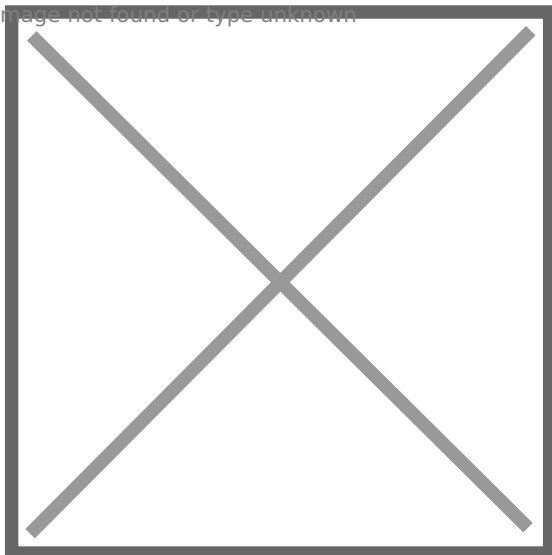
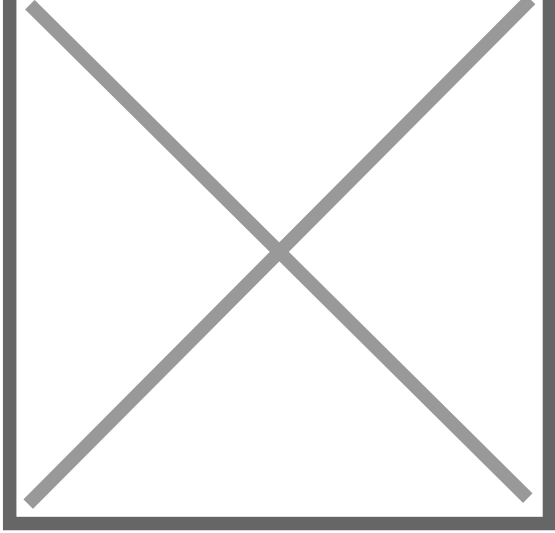
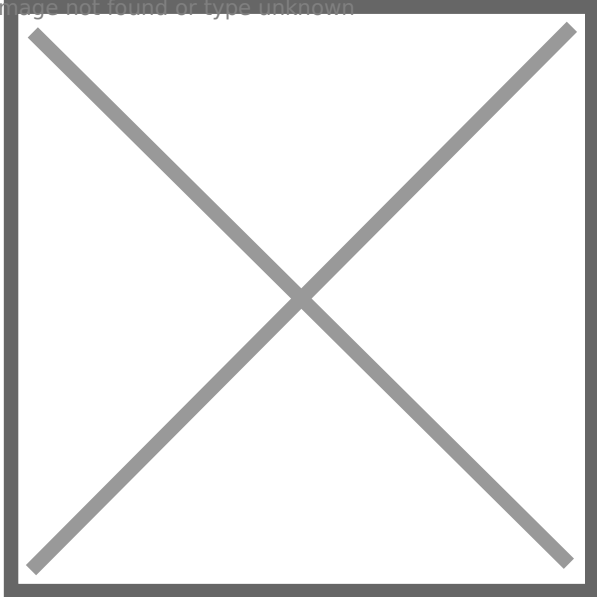


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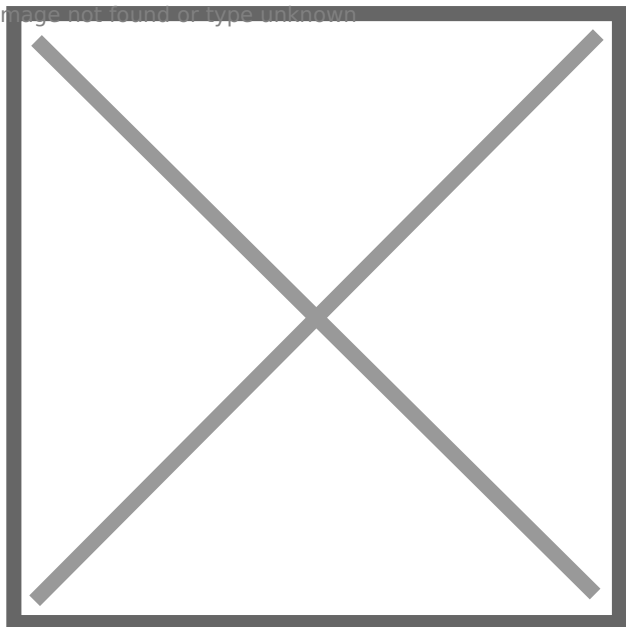
On the “Security” tab, “DEEC Wireless Network Properties”, “Settings”, you should uncheck “Validate Server Certificate”:

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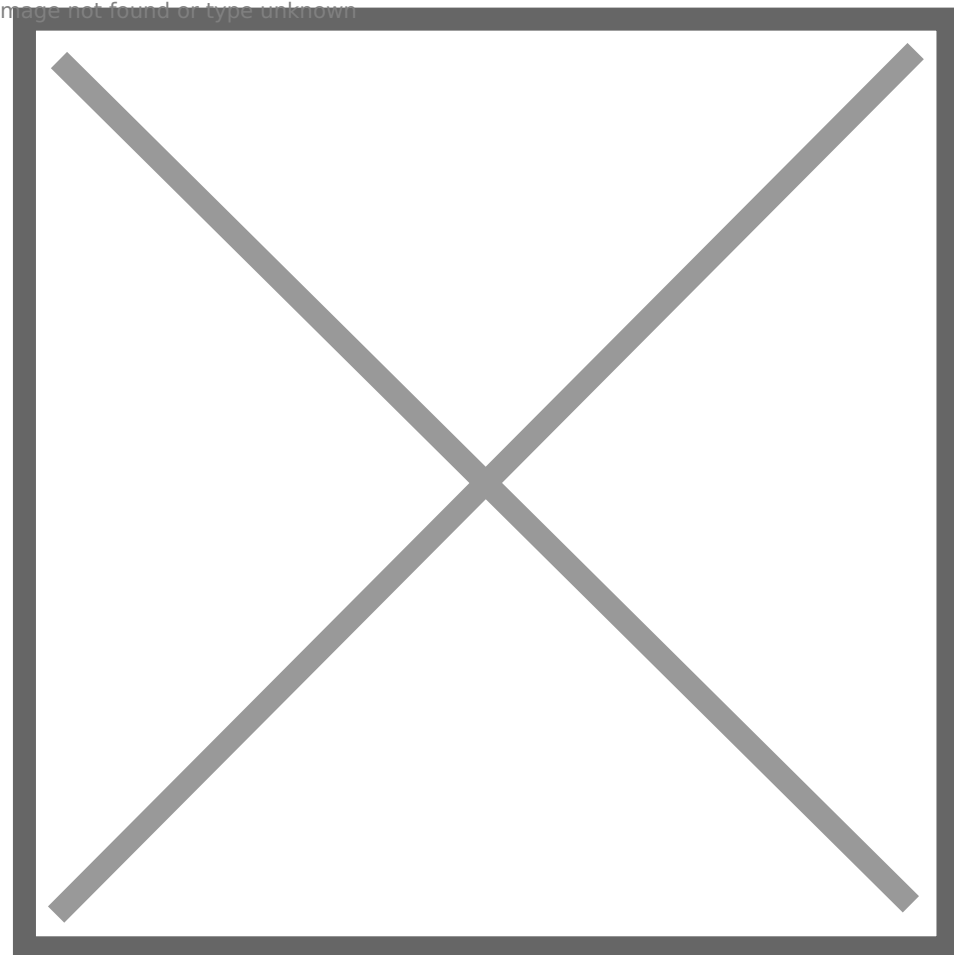
In turn go to “Configure” and uncheck “Automatically use login name (...)”:

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Finally, you only need to enter your user credentials in the DEEC.UC.PT domain:

Image not found or type unknown



# Setup DEEC Wi-Fi in Android

To use this service you need a @deec.uc.pt or @uc.pt account!

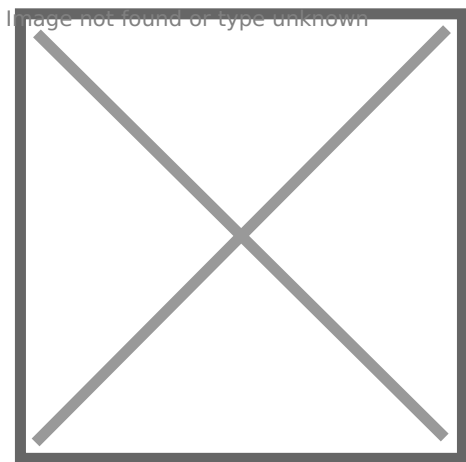
## DEEC Network Installation Manual on Android

### Introduction

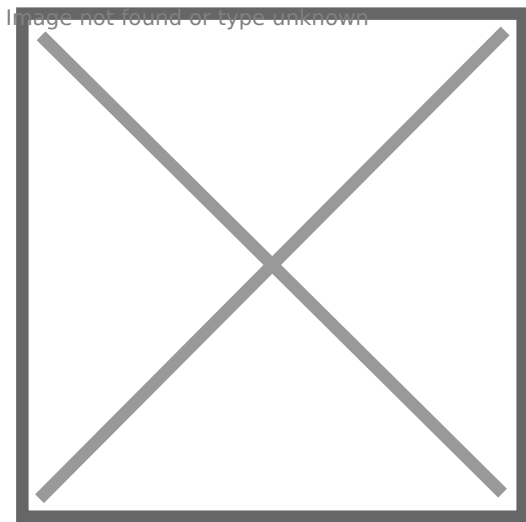
In this document, the installation of the DEEC Wireless Network will be presented step by step. In the images in this document DEEC-Labs must be replaced by DEEC.

### Android

Go to "Settings", "Wi-Fi", select the "DEEC" network, as in the following image:

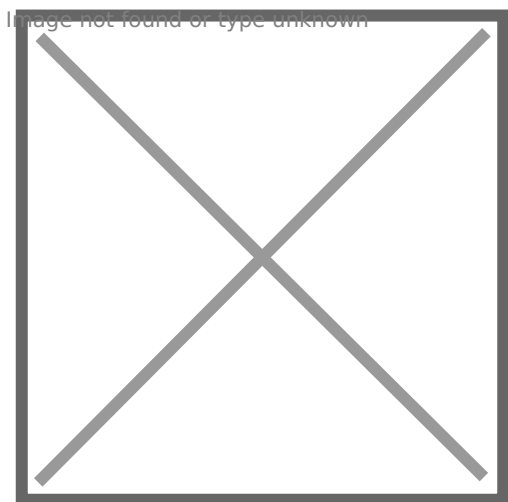


Then choose the option "PEAP" in the field "EAP method", as in the following image:



After that, new fields will appear to fill in.

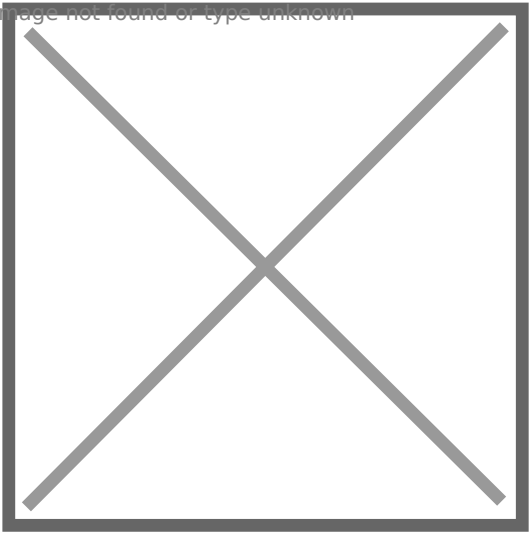
In the “Authentication phase 2” field, you must choose the option “MSCHAPV2”, as in the following image:



Finally, you only need to enter your user credentials (fields: “Identity” and “Password”) in the [DEEC.UC.PT](#) domain, as in the following example:



Image not found or type unknown



# Setup DEEC Wi-Fi in Iphone

To use this service you need a @deec.uc.pt or @uc.pt account!

## IPhone DEEC Network Installation Manual

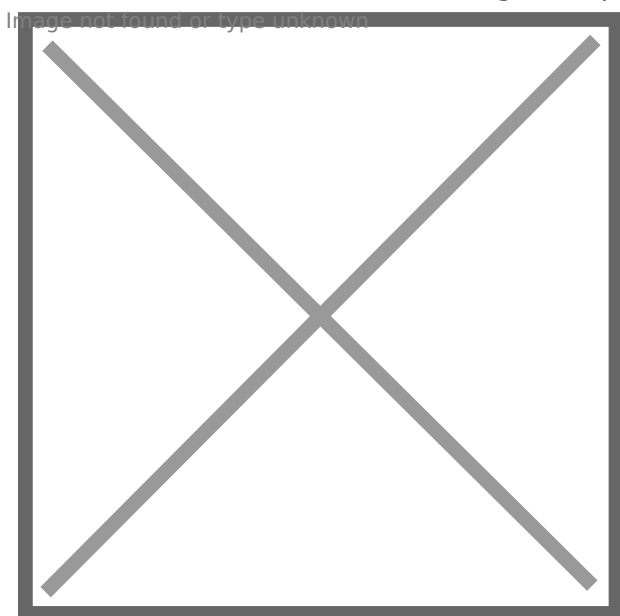
### Introduction

In this document, the installation of the DEEC Wireless Network will be presented step by step. In the images in this document DEEC-Labs must be replaced by DEEC.

### iPhone

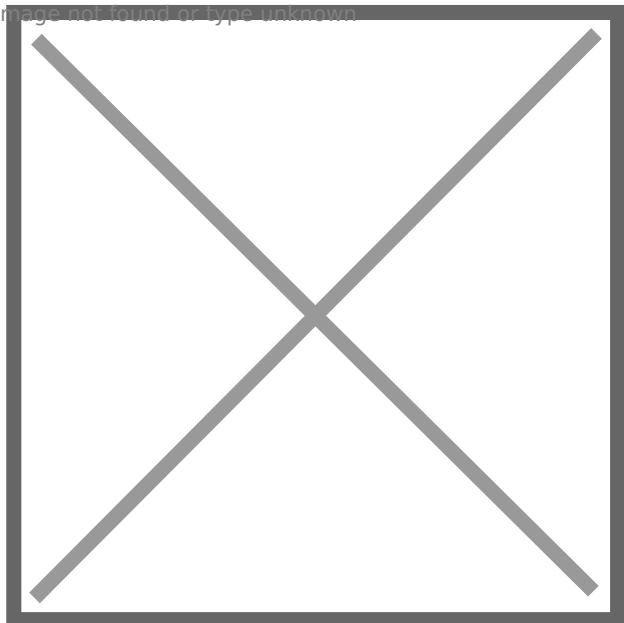
Install the user profile, located at [wifideec.uc.pt/mobileconfig](https://wifideec.uc.pt/mobileconfig).

In one of the installation steps, it is necessary to enter your user credentials (fields: "Username" and "Password"), as in the following example:



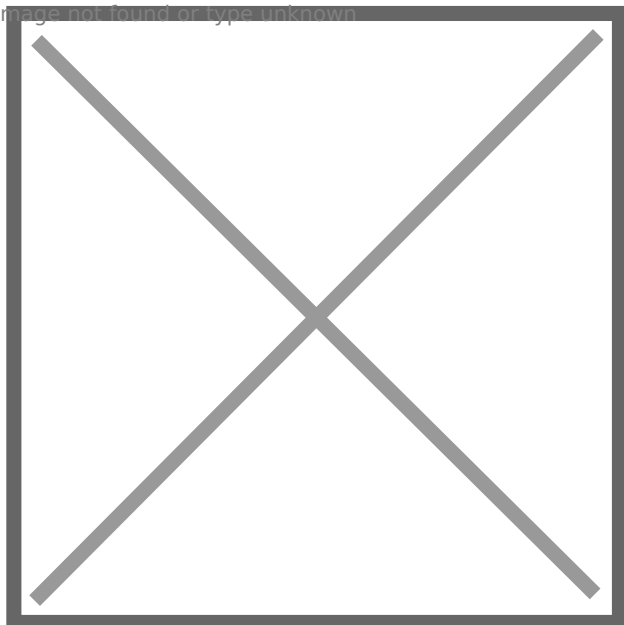
Then it is necessary to press “Accept”, as in the following image.

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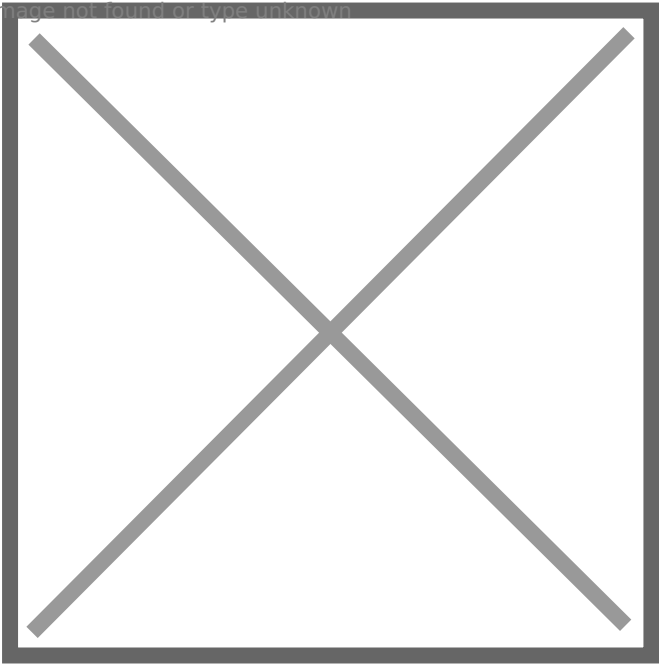
Go to "Settings", "Wi-Fi", select the "DEEC" network, as in the following image:

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After completing these steps, the device accesses the network:

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# Setup DEEC Wi-Fi in MacOS

To use this service you need a @deec.uc.pt or @uc.pt account!

## DEEC Network Installation Guide on MacOS

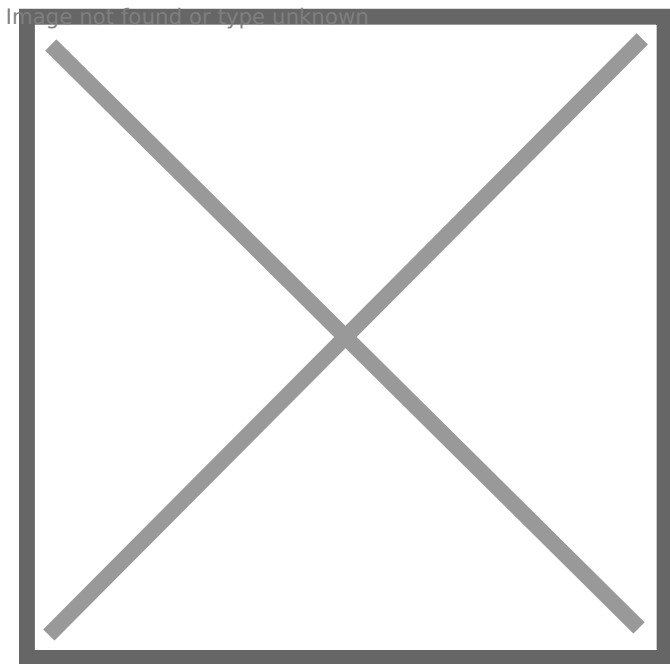
### Introduction

In this document, the installation of the DEEC Wireless Network will be presented step by step.

### MacOS

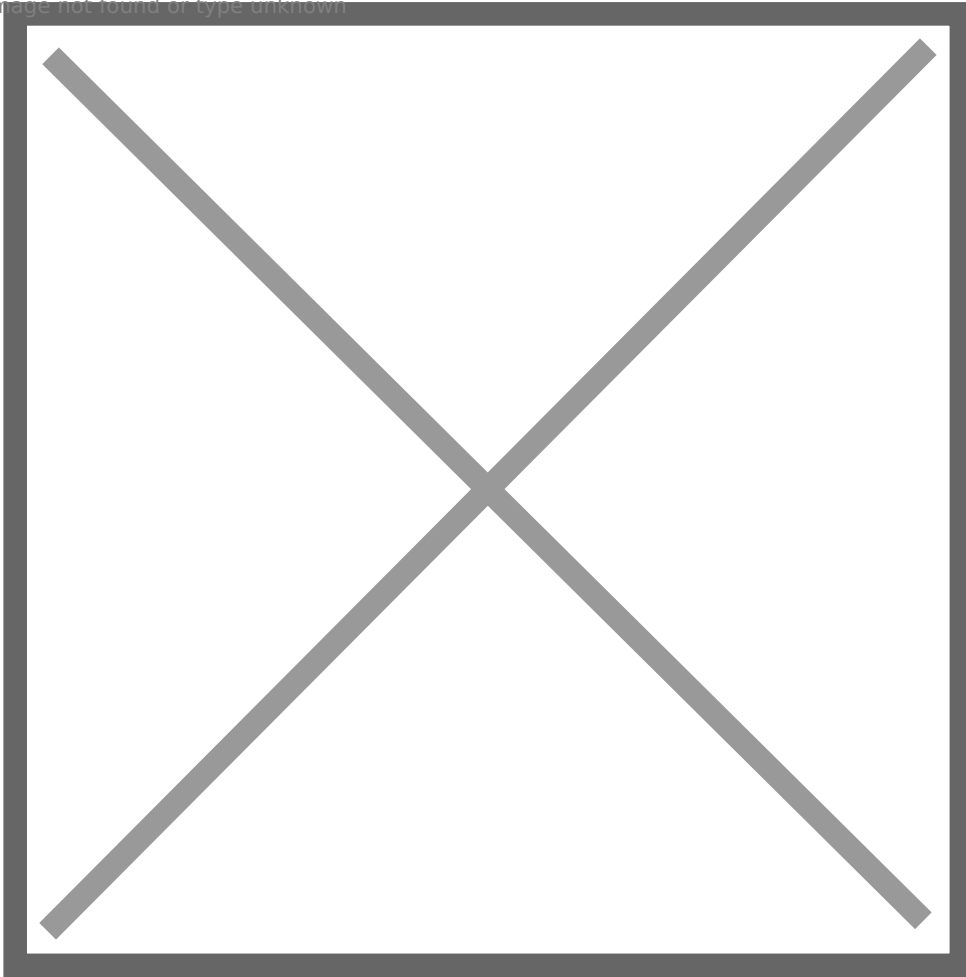
Install the user profile, located at [wifi\\_deec\\_mschap.mobileconfig](#)

Choose "Open with" System Preferences.



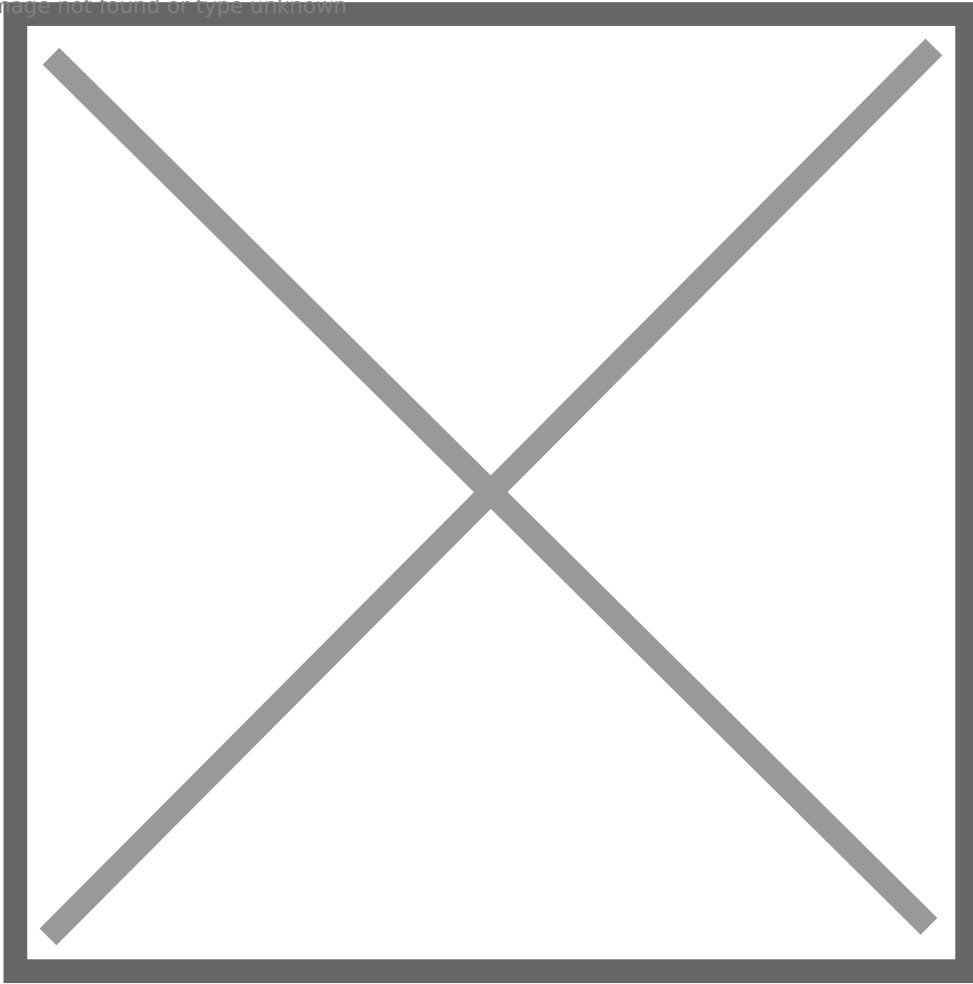
Select "Continue".

Image not found or type unknown



Select "Continue".

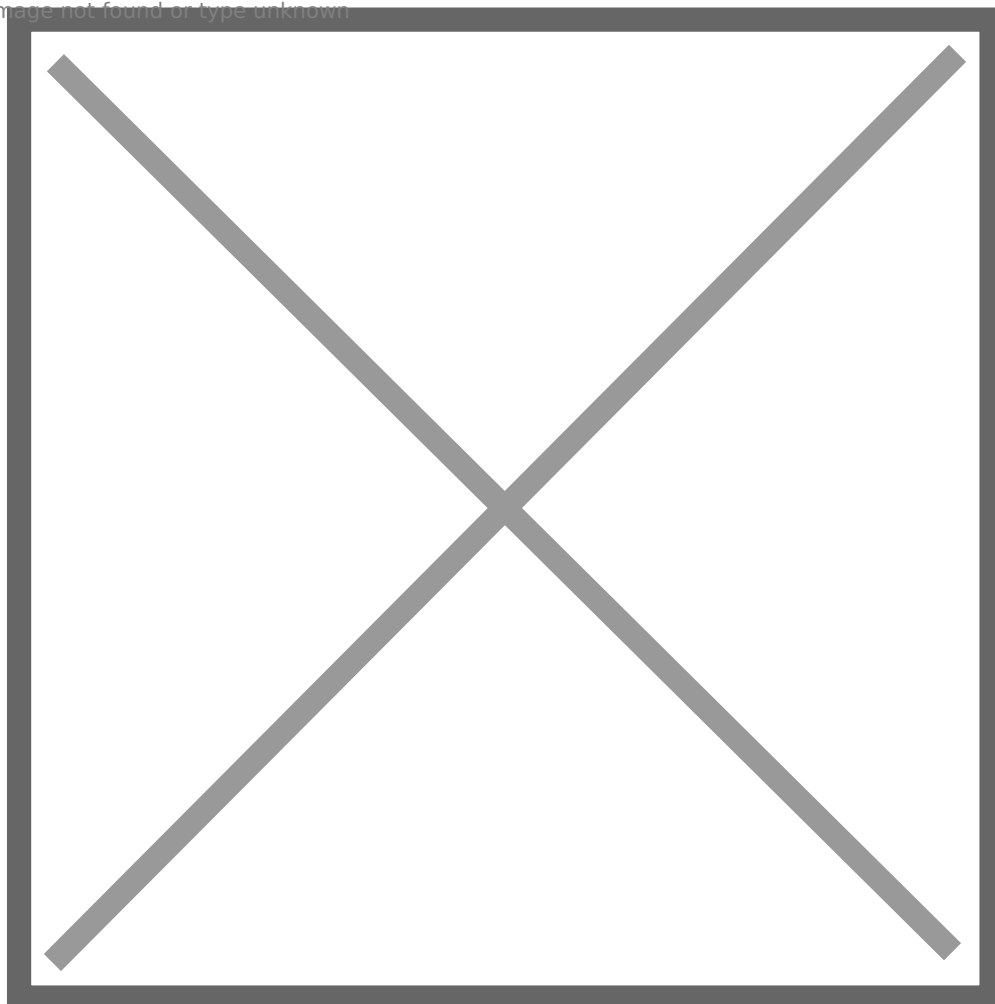
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Enter your e-mail (example: a2012123456@deec.uc.pt) and Password.

Select "Install".

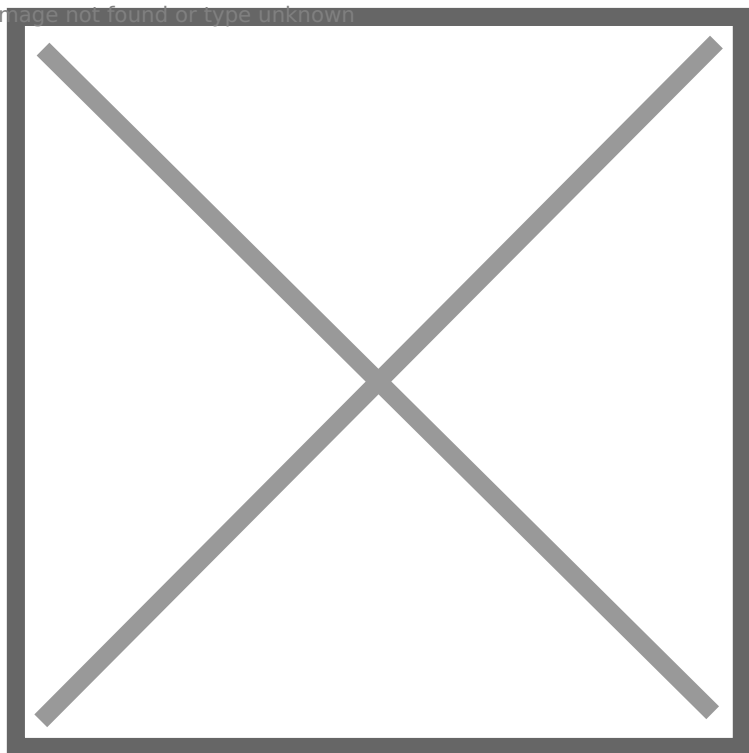
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Enter MacOS administrator credentials.

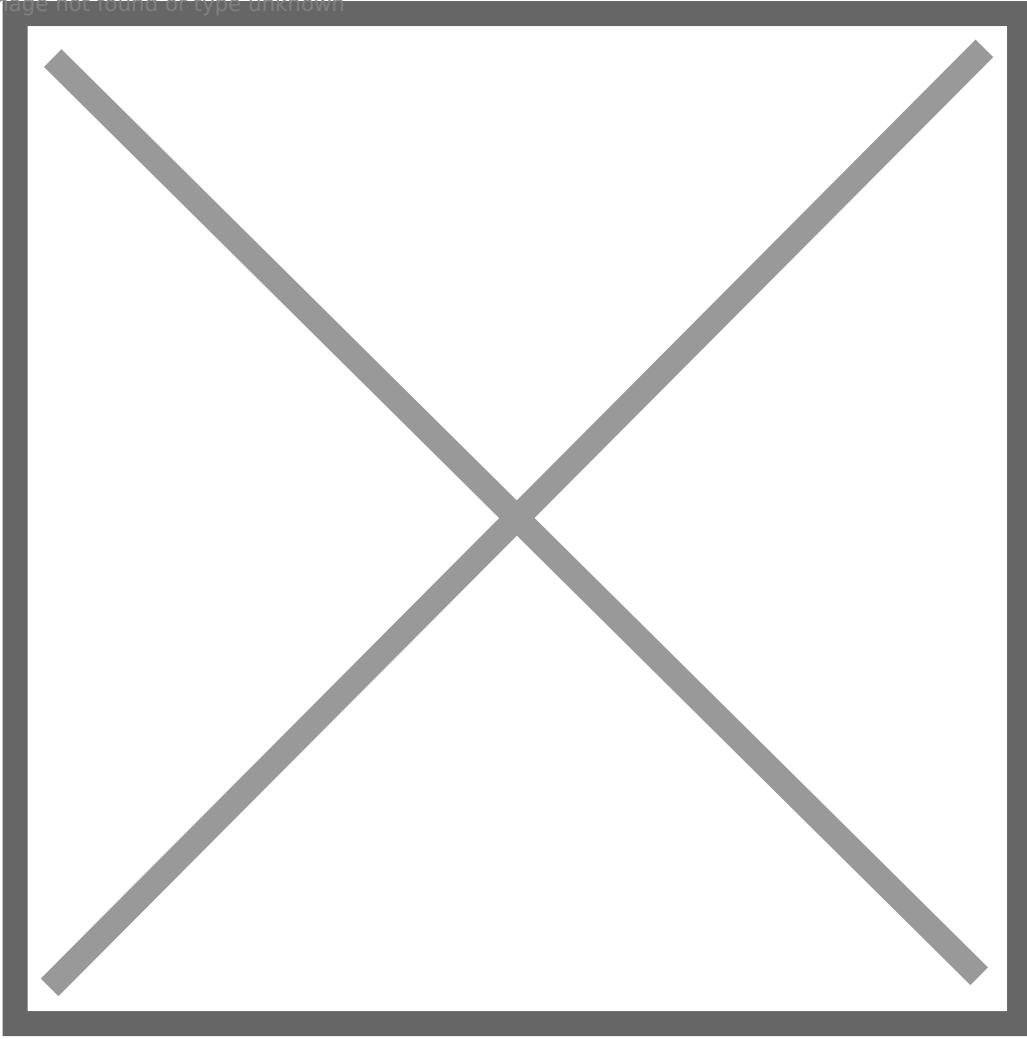


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After installation, information similar to the following image should appear:

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Activate the Wi-Fi network and select the DEEC network.

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