



الجامعة الأوروبية بفس  
EURO-MEDITERRANEAN UNIVERSITY OF FES  
UNIVERSITÉ EURO-MÉDITERRANÉENNE DE FÈS



Institut National  
des Sciences Appliquées

Co-develop

# THE 1<sup>ST</sup> EURO-MEDITERRANEAN INSTITUTE OF TECHNOLOGY

## INSA EURO-MÉDITERRANÉE

**INSA** | INSTITUT INTERNATIONAL  
DES SCIENCES  
APPLIQUÉES  
EURO-MÉDITERRANÉE



Fes | Morocco



Bienvenido

Bienvenue

Willkommen

Benvenuto

Bem-vindo

Welcome



Royaume du Maroc  
Ministère de l'Enseignement Supérieur  
de la Recherche Scientifique et de  
la Formation des Cadres



Union pour la Méditerranée  
Union for the Mediterranean  
الإتحاد من أجل المتوسط



MINISTRE DE L'ÉDUCATION  
NATIONALE, DE L'ENSEIGNEMENT  
SUPÉRIEUR ET DE LA RECHERCHE

EuroMedTech Consortium :

Morocco | Spain | France | Italy | Portugal



UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH



POLITECNICO  
DI TORINO



POLITECNICO  
DI MILANO



# Welcome

## to the 1<sup>st</sup> Euro-Mediterranean multi-cultural, multi-lingual institute of engineering

In September 2015, INSA and the UEMF, supported by the ministries of the consortium member states and the EuroMedTech consortium, will welcome their first students to the Euro-Mediterranean Institute of Technology in Fes. The institute will become the first international INSA: INSA Euro-Méditerranée, a member of the INSA group.

After almost 20 years of cooperation with Morocco the INSA group is creating and developing – in partnership with the Euro-Mediterranean University of Fes (EMUF) – the first international INSA with the support of a consortium that includes several universities in Morocco, Spain, Portugal and Italy.

The project to create INSA Euro-Méditerranée is at the heart of the Euro-Mediterranean University of Fes, an institution approved by the Union for the Mediterranean. Since its inception it has been supported at the highest political level, especially by the French and Moroccan ministers for higher education and research and also by the ministers for higher education of the countries participating in the 5+5\* dialogue.

The project will be expanded further by adding other countries from the Mediterranean region, in Europe and the Maghreb and, in time, sub-Saharan Africa and the Middle East.

As part of the EMUF, INSA Euro-Méditerranée is committed to academic excellence and will support innovation and the economic development of the region. It will be founded on the highest international standards with regard to both education and research; it is supported by a consortium of leading euro-Mediterranean universities: the EuroMedTech consortium.

*\* Morocco - Libya - Mauritania - Algeria - Tunisia  
France - Italy - Spain - Portugal - Malta*

مرحبا

ICI PROCHAINEMENT  
**INSA**  
EURO-MÉDITERRANÉE



# INNOVAR

## An innovative, cooperative approach with great ambitions

### Its main assets:

- ▶ The development of programmes in cooperation with industrial and academic partners.
- ▶ A multicultural context and a strong emphasis on languages - French, English, Arabic – as well as one of the other languages in use in the countries of the consortium (Spanish, Italian or Portuguese). The students will also specifically learn about the complexity and richness of these countries' culture.
- ▶ The possibility to gain joint degrees with partner universities within the consortium.
- ▶ An innovative approach to education with a pedagogy centred on projects, the use of digital technology and e-pedagogy.
- ▶ The promotion of gender equality for all.



Welcoming its  
1<sup>st</sup> students in  
September  
2015

**INSA Euro-Méditerranée will be the 1st school awarding degrees validated by the Moroccan and French states as well as by the European Network for Accreditation of engineering education.**

# INSA Euro-Méditerranée is at the heart of the Euro-Mediterranean University of Fes (EMUF)

INSA Euro-Méditerranée has been co-founded and co-developed in partnership with EMUF and with the support of the Euro-Mediterranean consortium. The institute will be right at the heart of the EMUF and of its eco campus.

The Euro-Mediterranean University of Fes (EMUF) was founded in November 2012; it is placed under the authority of the Honorary Chairman, His Majesty King Mohammed VI, and was approved by the Union for the Mediterranean (UFM) with the support of its 43 members.

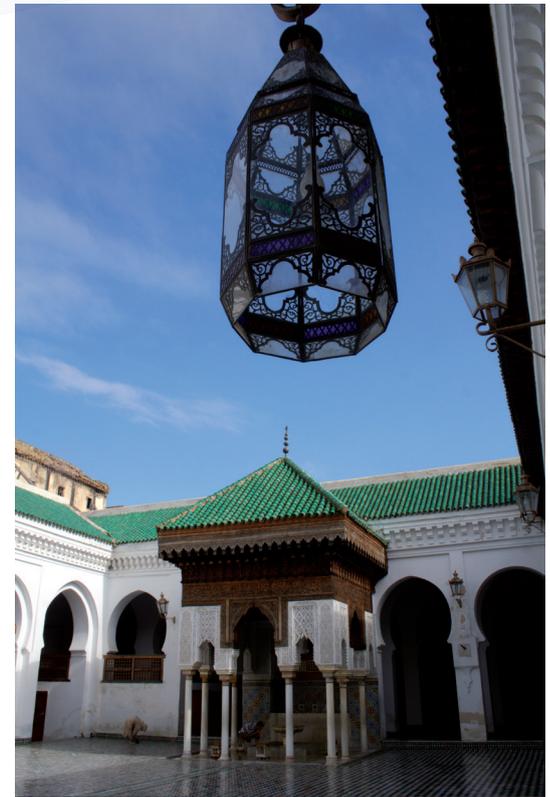
Its vision: unity by cooperating and sharing knowledge and heritage.

Its mission: to promote excellence through innovation in higher education and research.

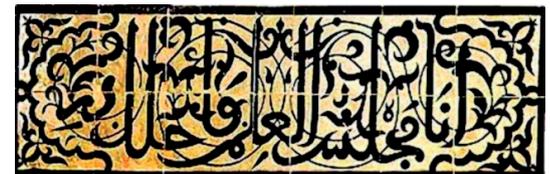
## Members of the EuromedTech consortium:

Several Moroccan universities (Cadi Ayyad Marrakech, Moulay Ismail Meknès, Mohammed V Agdal Rabat, Sidi Mohamed Ben Abdellah of Fes) and European universities (Seville University, Polytechnic University of Catalonia, Polytechnic University of Madrid, Polytechnic University of Turin, Polytechnic University of Milan, Porto University, etc.) have already agreed to form the consortium.

Other universities in the Maghreb and Europe are soon expected to join the consortium.



*Al Quaraouiyine University, the oldest university in the world, is still operating right at the heart of Fes*



*Medersas close to Bab Boujloud Square. Its famous quote: «I am the place of science. Welcome.»*

## NUMBER OF PLACES offered at

### INSA Euro-Méditerranée in 2015:

- ▶ 192 students recruited in Fes in 1st year

### INSA Euro-Méditerranée in 2016:

- ▶ 288 students recruited in Fes in 1<sup>st</sup> year
- ▶ 40 students recruited in Fes in 2<sup>nd</sup> year
- ▶ 128 students recruited in 3<sup>rd</sup> year, in Europe (INSA and member universities of the consortium)

# Campus STUDIARE

## An integrated campus with international standards, the eco campus of the Euro-Mediterranean University of Fes will be welcoming INSA Euro-Méditerranée.

The EMUF campus will be both an eco and an e-campus and was designed combining modularity, efficiency and functionality. Located on the heights of Fes, its modern architecture will be reminiscent of both the university's Moroccan setting and Euro-Mediterranean style.

Today's ecological criteria (lower energy consumption, integration of renewable energies and technologies, maximum amount of natural light, recycling, green spaces) have prevailed for its conception.

As well as its education and research centres, the university campus will comprise a development centre with technology transfer and professional integration, conference halls, a library and learning centre, a sports centre, university residences, catering facilities and other services for the university community.

In full capacity, the EMUF campus will welcome about 6,000 students.

Infrastructures such as transport for students but also cultural projects will be developed by the city of Fes.

## Applying for INSA Euro-Méditerranée

### Admission

#### Recruiting process:

- ▶ **in 1<sup>st</sup> year\***: secondary school graduates from the Moroccan system (maths baccalaureate Morocco), secondary school graduates with an S baccalaureate from the French system, MENA bac zone (maths baccalaureate outside Morocco), other international baccalaureates. An application will be proposed to welcome other members of the consortium.
- ▶ **in 2<sup>nd</sup> year\***: 1<sup>st</sup> year of Moroccan, French or foreign CPGE [preparatory courses for entrance into higher education].
- ▶ **in 3<sup>rd</sup> year\***: eligible to CPGE, DEUG [equiv. bachelor], DUT [technology degree] or similar courses in the countries concerned
- ▶ **in 4<sup>th</sup> year\***: Bac+4 level of education or masters degrees approved by the countries in the consortium

*\*Year 1: from September 2015 onwards*

*\*Year 2, 3 and 4: from September 2016 onwards*

### Enrolment

**Fixed fees:** 70,000 dirhams p.a (depending on the student's situation).

- + scholarships: 15,000 dirhams p.a. for students from the Union for the Mediterranean during the first 3 years of the curriculum.
- + merit scholarships (subject to social criteria)
- + educational record)
- + excellence scholarships (subject to educational record)

**To find out more and to enrol:**

[www.uemf.org/insa](http://www.uemf.org/insa)

# Education

To answer the wish for Morocco and the countries in the region to develop in agreement with the founding values of the INSA group and EMUF, INSA Euro-Méditerranée will be providing education in engineering that will foster the humanist values of equality, interculturalism and social responsibility.

**Its mission:** to form top-class leaders able to supervise large development projects.

**Its strong points:** an international and multicultural dimension, an exceptional openness to the world, an innovative pedagogy with a high degree of integration of digital technology, active business partnerships and a deep involvement in the socio-economic development of the Euro-Mediterranean region. The institute will be founded on the highest international standards in teaching and research. The teaching will be provided by a team of teachers from INSA, the EMUF, member schools of the consortium and professionals from the socio-economic world. It will award degrees in engineering, and also international master degrees and doctorates in engineering co-validated by the EMUF and INSA.

## The curriculum

- ▶ Compatible with the European BMD system (bachelor, master, doctorate)
- ▶ Designed as a 5 year curriculum.
- ▶ Including digital technology as a foundation for teaching
- ▶ A significant part of the curriculum devoted to the humanities as a bedrock for interculturalism.

	1 <sup>st</sup> year Morocco	2 <sup>nd</sup> year Morocco	3 <sup>rd</sup> year INSA & partners	4 <sup>th</sup> year Morocco	5 <sup>th</sup> year 50% Morocco 50% international	▶▶▶ STARTING A PROFESSIONAL CAREER OR PURSUING DOCTORAL STUDIES
	SUBJECT**			PARCOURS		
Department Science and Technology for Engineers	 Mechanical and energy engineering			Mechanical and industrial engineering Energy engineering		
	 Electrical engineering			Electrical and electronic engineering Embedded systems		
	 IT and communication systems			IT and networks Mathematical and modeling engineering		

**\* Course structure:**

- Years 1 and 2 at INSA Euro-Méditerranée in Fes.

- Year 3: in an INSA in France or in a partner school within the consortium. Specific group with adapted teaching, educational project developed by the student with a supervisor in each school.

\*\* **Subject:** for the French CTI [Engineering Accreditation Institute], these subjects relate to the type of degree.

..... 1<sup>er</sup> Cycle ..... 2<sup>ème</sup> Cycle ..... 3<sup>ème</sup> Cycle

## Mobility

INSA Euro-Méditerranée will be a multicultural, multilingual school based on the principle of mobility. Its students will acquire professional skills specific to the Euro-Mediterranean zone and the institute will facilitate international partnerships.

Work placement flexibility and high level joint degrees are right at the heart of this approach to education.

**Several terms of academic mobility between the Euro-Mediterranean schools, in world-class companies or research laboratories will be part of the curriculum:**

- ▶ 1st and 2nd year: at EMUF – INSA Euro-Méditerranée in Fes.
- ▶ 3rd year: in an INSA in France or in a member school of the consortium.
- ▶ 4th year: at EMUF – INSA Euro-Méditerranée in Fes (50%) and mobility as part of an internship (50%).
- ▶ 5th year: either at EMUF – INSA Euro-Méditerranée in Fes during the first semester, then international mobility as part of an internship or a final year project. Or international academic mobility during the first semester, then internship or final year project in Morocco during the second semester.

**Joint degrees will also be awarded by universities of the consortium.**

DISCOVER

# Business relations

Having a firm understanding of the world and direct contacts with companies, the institute will develop close business partnerships and will place them at the heart of its pedagogy.

Planned actions are business sponsorships, sponsoring of academic years, partnership club...

## Its main objectives

- ▶ To form innovative engineers and top-class entrepreneurs with a strong multicultural approach.
- ▶ To create close relationships with Moroccan and French companies, and more broadly with companies in Europe, North Africa, sub-Saharan Africa and the Middle East.
- ▶ To develop high-level technological research activities and also development and transfer activities by relying on laboratories and research teams from the INSA group, the EMUF, Moroccan partner universities and member universities in the consortium.

The institute will position itself as a partner for the region's economic development. To this end, specific operations have been planned, in particular an active sharing of resources EMUF will provide: a business incubator, a business centre, a fab lab, a research show room, an engineering cluster network focusing on problems in interdisciplinary research to solve social issues (energy transition, risk management, water and the environment, data...).

## A specific focus on 4 economic sectors:



Aeronautics



Energy engineering



IT and communication technology



Mechanical and automotive engineering

# Research

INSA Euro-Méditerranée will develop top-class research that will feed the education provided by the institution.

Co-developed science projects will be set up to respond to several major social issues in Morocco, the Euro-Mediterranean region and Africa. They will primarily deal with energy, supporting businesses in mechanical and electrical engineering and mastering IT and communication.

**The research areas addressed are:** automation, signal processing, electronics, digital technology, IT, mathematics, mechanical engineering, nano-micro technology and electronics, energy engineering.

LEARN

## CONTACT

### UEMF

Nawal BELEFQUIH

EMUF Head of Communication

Tel.: 00 212 5 37 71 06 91

[n.belefquih@ueuromed.org](mailto:n.belefquih@ueuromed.org)

### INSA GROUP

DIRECTRICE DE LA COMMUNICATION

Head of Communication

INSA Euro-Méditerranée and INSA Group

Tel: +33 5 61 55 92 40

[communication@groupe-insa.fr](mailto:communication@groupe-insa.fr)



**UEMF**

الجامعة الأورومتوسطية بفاس  
EURO-MEDITERRANEAN UNIVERSITY OF FES  
UNIVERSITÉ EURO-MÉDITERRANÉENNE DE FES

**GROUPE  
INSA**