



# Joint Program on Smart Grids



CentraleSupélec

## A unique opportunity for an amazing International Experience

**China, the place to know:** China is the most populous nation in the world and will lastly become the 1<sup>st</sup> Economic Power. The **knowledge of China** that you will develop during this program is very valuable. You will be immersed in a small group of **French and Chinese students** and this will allow you to strengthen relationships with classmates. You will spend **one year in China**.

The **language** of the program is **English** but you will also acquire skills in **Chinese language and culture**.



## A Scientific and Technical curriculum of Excellence

**Smart Grids , the backbone of Energy Transition:** Smart grids aim at an **efficient integration of renewable energy** while ensuring the **quality of service** of energy delivery and limiting its **cost**. To achieve this aim, they include information and control technology.

The courses on **power systems** and on system **modelling, analysis and control** will bring you deep and **adequate knowledge** to solve the issues raised by Smart Grid deployment and management. Your **personal 2-year project** will help you to develop mandatory skills such as **autonomy, scientific rigor, creativity** and **communication**.

## Xi'an Jiatong University (<http://en.xjtu.edu.cn>)

Xi'an Jiaotong University (XJTU) is one of China's major universities and oldest institutions in higher education. It ranks among the top level universities in Electrical engineering and is a member of the **C9 league of Elite Universities** and of T.I.M.E. network.

It is located in Xi'an (Shaanxi) the first capital of the Empire and the starting point of the Silk Road. Xi'an is nowadays an important cultural, industrial and educational centre of the central-northwest region. It was recently named as one of the 13 emerging megacities, or megalopolises, in China. The urban population is around 6 millions and the town hosted 17 Universities.

## A double degree curriculum

Supélec 1A      XJTU Bachelor

2<sup>nd</sup> year of Supélec Eng. Program  
CentraleSupélec –**France**

**Smart- Grids** option  
CentraleSupélec ,Rennes, **France**

**Smart- Grids** option  
Xi'an Jiatong, Xi'an, **China**



**Master of Engineering XJTU**  
**Diplôme Ingénieur Supélec**