



INTERNATIONAL SEMESTER FOR EXCHANGE STUDENTS

# ELECTRICAL ENGINEERING AND SYSTEM CONTROL

at the University of Limoges, FRANCE

## OBJECTIVE OF THE SEMESTER

This semester substitutes for approximately same level home university semester for electrical engineering and system control department or similar. The accent is put on practical laboratory illustrations with the state-of-the-art software, hardware and equipment.

## TRAINING INSTITUTIONS

- ENSIL-ENSCI (National Higher Engineering College)
- The Faculty of Sciences and Technologies

## RESEARCH LABORATORY

XLIM, (internationally recognized for advanced telecommunication system, circuit and device)

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## OPENING DOORS TO THE WORLD...

It is indispensable today for students to be open to other cultures, other ways of living and working.



With a rich history going back two thousand years, **LIMOGES** is internationally well known for its arts of fire (enamels and porcelain). Situated at a crossroad on the major European road networks, with more than 160 000 inhabitants, Limoges offers an incomparable quality of life : student city with over 15 000 students, a sports city, and a rich and varied cultural life.

By plane: one hour from Paris,  
one hour and a half from London

By train or by car 3 hours from:  
Paris, Toulouse, Bordeaux, Atlantic ocean...





## MORE ABOUT THE INTERNATIONAL SEMESTER...

**WHO IS CONCERNED?** International students for their various curricula part of European (ERASMUS) and international exchange programmes.

**WHEN DOES THE PROGRAM TAKE PLACE?** Spring semester, 1st February-31st May (15 weeks of classes)

**ENGLISH IS THE COMMON LANGUAGE USED IN EVERY COURSE**

**ADMISSION FEE:** 2000€ (Erasmus students and some of our partners are exempt from these costs) The real cost of the semester is 7500€ but the complementary cost is supported by the French government.

**THREE MAIN PURPOSES DEFINE THE PROGRAM CONTENT (30 ECTS)**

- Acquire and develop key skills and knowledge in the field of electrical engineering and system control
- Acquire a practical experience under the supervision of high qualified technical personal
- Benefit from an international experience, initiation to french language and culture

## TRAINING

20h a week + technical project

ECTS

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GENERAL TOPICS	French language Industrial ecology Project Management Computer programming (LabView and Matlab)	6
SIGNAL, SYSTEM AND CIRCUITS	Analog Electronics Digital communication Digital circuit design - VHDL and SOC Networks Antenna from theory to practice Digital signal processing	10-14
CONTROL SYSTEM AND PERCEPTION	Control system Robotics Computer vision and image processing Design and Modelling of Unmanned Aerial Systems	4-8
TECHNICAL PROJECT	Project	6

### INTERNATIONAL STUDENTS OFFICE

Supports international students with : accommodation, administrative formalities (opening a bank account...), transport information, health insurance plans, discovering Limoges and its region

**Administrative contact:** Mrs Isabelle VIEVILLE: [international.ingenieur@unilim.fr](mailto:international.ingenieur@unilim.fr)

#### TO GET MORE INFORMATION

[www.ensil-ensci.unilim.fr/international/studying-at-ensil-ensci/application-procedure/](http://www.ensil-ensci.unilim.fr/international/studying-at-ensil-ensci/application-procedure/)

#### EDUCATIONAL CONTACT

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