



International Academy  
Lille Hauts-de-France

# AUTOMATIC CONTROL & ELECTRICAL SYSTEMS

ONLINE

France  
Excellence  
ÉCOLES D'ÉTÉ

PRE-DOCTORAL SUMMER SCHOOL 5<sup>th</sup>-13<sup>th</sup> JULY 2021

## A strong scientific training

in line with top-tier research centres  
& leading innovative computer science, power electronics  
& automation clusters



The strategic, most dynamic area in North-West Europe  
at the heart of a high-performance academic  
& economic hub that makes innovation a priority



## A gate-opening pre-PhD programme

giving access to the French research community  
& making connections internationally



Forward-looking higher education institutions  
with high-standard on-campus accommodation  
& welcome services, great facilities & vibrant hall life



A young region, always on the move  
lively, easy-living, with a rich history  
& heritage, centre of arts & cultures

## LEARNING, DISCOVERING & NETWORKING INTO YOUR PhD IN FRANCE

### PROGRAMME

CRISTAL & L2EP (University of Lille)  
& International Academy

→ 40 hours taught in English

- \* Top scientific lectures & seminars with leading researchers in the fields of automatic control & electrical systems
- \* Introduction to research through a supervised project
- \* Peek into the French language & culture

→ Perspective to integrate a PhD in France

**Keywords:** Advanced Modelling Methods, Advanced Control Methods, Hybrid & Electric Vehicles, Energetic Macroscopic Representation, Innovative Energy Storage Systems, High-Efficiency Electrical Machines, Geo-Localisation, System Identification, Parameters Estimation.

**Final Assessment**

**Certificate of Completion & 3 ECTS credits**

### APPLICATION

**Targeted Participants**  
Master & PhD students

#### Admission Criteria

- \* Excellent academic results and in-depth knowledge in electrical engineering & automation
- \* Advanced English

#### Application

Application deadline: June 13<sup>th</sup> 2021  
Maximum number of participants: 20

### PROGRAMME FEES

- \* Early Bird fee (applic. made until May 31<sup>st</sup>): 250€
- \* University of Lille student fee: 250€
- \* Standard fee (applic. made after May 31<sup>st</sup>): 450€

### CONTACT & APPLICATION

aces@international-academy.fr  
www.international-academy.fr



**CRISTAL:** Research Centre in Computer Science, Signal & Automatic Control of Lille  
**L2EP:** Laboratory on Electrical Energy & Power Electronics