



International Academy  
Lille Hauts-de-France

# AUTOMATIC CONTROL & ELECTRICAL SYSTEMS

France  
Excellence  
ÉCOLES D'ÉTÉ

For Master  
& PhD students

ONLINE SUMMER SCHOOL 4<sup>th</sup>-12<sup>th</sup> JULY 2022

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 door-opening peri-doctoral programme  
giving access to the French research community  
& making connections internationally



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



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

## LEARNING, DISCOVERING & NETWORKING INTO RESEARCH 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

→ Certificate of Completion & 3 ECTS credits

→ Perspective to integrate a PhD or postdoc 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.

### APPLICATION

#### Admission Criteria

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

#### Application

Application deadline: May 31<sup>st</sup> 2022  
Maximum number of participants: 20

### PROGRAMME FEES

#### For Master & PhD students

- Early Bird fee (applic. sent by March 31<sup>st</sup>): 250€
- University of Lille student fee: 250€
- Standard fee (applic. sent after March 31<sup>st</sup>): 450€

#### Professionals welcome

- Standard fee: 650€

### CONTACT & APPLICATION

aces@international-academy.fr  
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CRISTAL: Research Centre in Computer Science, Signal & Automatic Control of Lille  
L2EP: Laboratory on Electrical Energy & Power Electronics