

The Doctoral School of Engineering Sciences (ED SPI), led by the Université Clermont Auvergne and associated with SIGMA and Inrae, brings together a team of 80 research professors qualified to supervise research, 4 host laboratories including 3 CNRS joint research units (UMR) for approximately 224 PhD students with 45 theses defended annually.

The ED SPI is one of the key entities in the coherence and structuring of the Engineering Sciences sector on the Clermont-Ferrand site. This sector corresponds to the existence of university courses in the Masters cycle, the three local engineering schools (SIGMA, ISIMA, Polytech) and two University Institutes of Technology (IUTs) with scientific departments. The scientific policy of the ED SPI is based on the policies developed in its associated laboratories. The laboratories cover a wide disciplinary field in the following **3 scientific disciplines**:

- **Information and Communication Sciences and Technology** (methods and vision systems for robotics, components and systems of microelectronics and optoelectronics and electro-magnetic modeling, information technology)
- **Mechanical and Civil Engineering** (uncertainty modeling, design methodologies for machines,

structures and works, relationship between modeling and experimentation)

- **Food Process Engineering** (chemical and biological engineering)

Research work is regularly conducted in partnership (20% of theses have CIFRE funding) with public bodies: Inrae, CEA, CNRS, DGA, INREST, ONERA, SNCF, etc., large companies: Aerospatiale, Michelin, PSA, Renault, Siemens, EDF, France Telecom R&D, and innovative smaller companies: Biobasic Environnement, Digital Design, ITMI, Ligeron SA, Logiroad, Sol Solutions, etc.

Some figures on the SPI Doctoral School

210

PhD students

47% whom are international



**Employment rate for doctors
3 years after degree**

97%

(promotion 2014)

40 to 60

Thesis defenses

30 to 40

Dual-degree thesis programs

ED SPI PhD SPECIALIZATIONS

- PhD in Electronics and Systems
- PhD in Materials
- PhD in Information Technology
- PhD in Process Engineering



ÉCOLE DOCTORALE
DES SCIENCES
POUR L'INGÉNIEUR

RESEARCH UNITS AFFILIATED WITH THE ED SPI

- Laboratory of Informatics, Modeling and Optimization of Systems (LIMOS)
- Pascal Institute (IP)
- Clermont Laboratory of Physics (LPC)
- Engineering Laboratory for Complex Systems (LISC)
- Technology and Information Systems for Agrosystems (TSCF)



HOW TO APPLY

To apply for admission to a UCA Doctoral School, you must:

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- Hold a Master's degree or any other degree awarding the title of Master.
- Have defined a thesis subject beforehand with the agreement of a thesis supervisor affiliated with one of UCA's research laboratories.
- Have obtained funding.

For more information, please visit the Doctoral School's website.



CONTACT US

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