

Senior Lecturer (Associate Professor) - Researcher
Department of Energy, Electricity and Automation
Higher Engineering Institute (HEI) of Lille
The Catholic University of Lille

HEI, in order to meet current needs for future development and expansion, invites applications for this Professorship in the Department of Energy, Electricity and Automation (EEA) of the Higher Engineering Institute of Lille, within the Catholic University of Lille, in northern France. Candidates are sought in the area of Energy and Electrical Systems, pertaining but not limited to: power system operation including smart grids, generation technologies including renewable resources, power electronics, as well as other areas of power systems including, technology, machines, modeling and control.

Lecturer Profile: Teaching duties include common track Engineering Courses, given in either French and/or English with the ability to enrich, develop and add to existing curricula with commensurate knowledge and know-how, as well as the monitoring and supervision of student learning projects. Additional responsibilities comprise the piloting of training modules and extensive collaboration within teams of Professors, Post-doctoral personnel and Scientific and Professional Experts, within **HEI**, Academia, Government and the Private Sector.

Also required are the Oversight and Supervision, as well as the elaboration, monitoring and accompanying of students in Engineering Professional Internships, Student Technical Projects, Research Projects and Industrial Projects, and the evaluation of reports, theses and their defense. Active participation in the general life, communication and promotion of **HEI** is also fundamental.

Research Profile: Energy, Electrical and Power systems and Distribution are undergoing unprecedented revolution, here before never observed. Liberalization of Electricity Markets, Integration of Electrical Vehicles, Information Technology Innovation, and more, are all contributing to major changes in the basic operations of Electrical Systems, in their entirety.

The successful candidate, as a member of the Network Team of the Electrotechnics and Power Electronics Laboratory of Lille (L2EP) will be expected to provide Leadership, through Scientific and Technical Publications, and Valorization with Industrial Partnerships, to a regionally, nationally ANR (French National Research Agency) and ADEME (French Environmental and Energy Agency) and internationally recognized research program, notably: the integration of new electrical power sources into grids, decentralized production and the management of intermittence, control of energy demand and integration of electrical vehicles.

Additional requirements:

The desired successful candidate will hold an earned Doctoral Degree, in Electrical Engineering or related discipline with at least an initial teaching experience, plus international experience (Post-doctoral). As a dynamic individual he/she will also possess veritable teaching and communication skills as well as the ability to work in teams and to motivate student groups. English proficiency is requisite; proficiency in French is highly desirable. Candidates with some French and a marked desire to master French rapidly will also be considered.

For more information contact:

- Benoit Robyns, Director of Research, HEI, benoit.robyns@hei.fr.
- Patrick Debay, EEA Department Head, HEI, patrick.debay@hei.fr.

To apply: All applications must include a cover letter and CV, addressed by post or email to:

- Personnel, HEI, 13 rue de Toul, 59000 Lille, France. Service.personnel@hei.fr