Assistant Professor

(MICS laboratory / Mathematics Department)

Fixed Term Contract (CDD) 1 an

Position: Assistant Professor (Maître de Conférences CDI LRU) in the Department of Mathematics at CentraleSupélec, Paris-Saclay Campus with research activities at MICS Laboratory.

CNU Section: 25.

Keywords: bachelor, mathematics in the freshman year.

The French “Grande Ecole” CentraleSupélec is an independent Institution inside the University of Paris-Saclay. Its main missions are: the training of high-level scientific general engineers, research in engineering and systems sciences, and executive education.

The Department of Mathematics is intended to cover all the disciplinary field in Mathematics of the different curricula of CentraleSupélec: BSc, high-level scientific engineering, MSc.

Teaching activities:

The applicant will be responsible for the mathematics courses in the first year of the Bachelor of Global Engineering at CentraleSupélec. He/she will oversee all the plenary session courses and set up a team of lecturers to implement all the teaching activities. The applicant will define and update the math courses' expectations and the pedagogical methods to be deployed. He/she will produce the course materials for the program's first year.

To ensure the quality of teaching and coherence within the Mathematics department, he/she will organize program review committees and maintain the state-of-the-art first-year university mathematics teaching practices. Beyond the mathematics program, he/she will contribute to defining the expectations and the themes addressed during the weeks dedicated to
engineering sciences in the Bachelor’s program. Interventions in the engineering curriculum could complete his/her activity.

Research activities:

Candidate profile:

- The candidate must hold a PhD in mathematics science. The candidate must be an author or co-author of publications in international journals (the publication requirement will depend on the curriculum vitae and the number of years of experience).
- The candidate is expected to have a taste for teaching, research, and teamwork.
- The candidate is expected to have strong experience in teaching math to engineering students.

Recruitment interview:

The audition of the selected candidates will take place in three stages:

- A presentation of the candidate’s background and integration plan;
- An illustration of a 5-minute lesson, given in English, on a problem whose subject is identical for all candidates and will be specified in the invitation letter;
- An exchange with the members of the committee.

The duration of each of the three parts of the audition will be specified in the invitation letter.

Applications:

File in pdf format, including:

- A cover letter
- A detailed CV (teaching experience, research, mobility, publications, etc.)
- A teaching proposal (3 pages maximum)
- A copy of the identity card or passport
- A copy of the doctoral degree
- And any documents that attest previous experience

must be sent by email only to the two contacts below before October 1st at the latest:

Bastien Tellier, human resources: recrutement@centralesupelec.fr
Scientific contacts:

Erick Herbin, Head of Mathematics Department, erick.herbin@centralesupelec.fr

Franck Richecoeur, Dean of Studies for Bachelor and Master programs: franck.richecoeur@centralesupelec.fr