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**Provost's Office**

**Department : Applied Mathematics**

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**Position :** Assistant Professor F/H

**Equivalent rank :** Assistant Professor

**Position référence :**

**Field, Discipline, or Theme :** Applied mathematics ; Probability

**Rate :** Full-time

**Number of positions :** 1

**Contract type :** Permanent contract - CDI

**Application deadline :** March 23, 2026

**Start date :** September 1st, 2026

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## About Ecole Polytechnique

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Ecole Polytechnique, commonly known as l'X, is a world-leading higher education and research institution. Under the supervision of the French Ministry of Armed Forces, École Polytechnique is a founding member of the Institut Polytechnique de Paris, alongside five prestigious *Grandes Écoles* : ENSTA, ENPC, ENSAE, Télécom Paris and Télécom SudParis. Highly international (40% of its students and 40% of its faculty are international), École Polytechnique combines research, teaching, and innovation at the highest scientific and technological levels. With 23 laboratories, including 22 joint research units with CNRS, its research center advances knowledge at the forefront of interdisciplinary scientific, technological, and societal challenges.

The recruited faculty member will also join the Mathematics Department of IP Paris, which brings together scientific communities at the Institute level.

Committed to attracting top talent in teaching, research, and administration, and to welcoming ever more students into its programs of excellence, École Polytechnique is firmly dedicated to diversity, gender equality, and inclusion. In its recruitment process, the School pledges to review all applications without discrimination<sup>1</sup>. Ecole Polytechnique is a diverse environment institution and is committed to maintaining and enhancing this diversity. In 2025, 41% of our faculty, 55% of our PhD students, and 45% of our students are international. That same year, 42% of our new faculty hires were women, and 25% of our total faculty are women.

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<sup>1</sup> In accordance with Articles L1132-1 of the *Code du travail* and Article 225-1 of the *Code pénal*.

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## Job Description

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Affiliated Laboratory: Centre de Mathématiques Appliquées (CMAP)

Main Missions and Activities: The Assistant Professor position is essentially equivalent to a Senior Lecturer position at a university in terms of teaching and research duties and activities.

Prerequisites: PhD in Mathematics or Applied Mathematics. Fluency in French is not required.

Desired Profile: The successful candidate will be a highly talented young mathematician with a proven track record of international contributions to fundamental aspects of probability theory. An openness to applications and modeling will be appreciated. Applications at the interface between probability and other disciplines, such as computer science, physics, biology, economics, ... will be given particular attention.

Teaching and Research Activities: The successful candidate will conduct their research within one or more teams at CMAP, in particular within the team PEIPS. They will be associated to the teaching teams taking care of the fundamental courses in applied mathematics and more specialized courses in probability. Particular attention will be paid to the candidate's ability to contribute to the department's teaching across the various programs, both through coursework and project supervision.

More broadly, a contribution to major societal and environmental challenges, in line with the institution's commitments, will be expected.

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## Application Process

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Applications must be submitted directly via the Calliopé platform :

<https://candidatures-calliope.polytechnique.fr/calliope-fo/accueil/index.php?lang=en>

Required Documents: ID, CV, cover letter, teaching statement, research statement, list of potential references who can provide letters of recommendation. The candidate **must have defended a doctoral thesis in mathematics**, in the fields of probability or applied probability, at the date of submission of the application.

He or she should present a *detailed scientific project* demonstrating how his or her research activity will reinforce existing research in probability theory in the CMAP and in particular in the team PEIPS. The candidate is strongly encouraged to contact CMAP members to discuss the research project.



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He/she should be able to contribute to the teaching of applied mathematics, probability and applied probability at all levels of training (bachelor's degree, polytechnic engineering cycle, master's degree, even MOOC and Executive Education). He/she will have to be part of the teaching teams for the fundamental applied mathematics courses and the more specialised courses. His/her ability to contribute to project-based teaching and to strengthen the links between teaching, research and applications will be an important element of the application.

**Selection criteria. The main selection criteria are as follows.**

- **Quality of the research application.** The jury will pay particular attention to the quality, significance and impact of the research results obtained.
- **Quality of the teaching project**
- **Integration into the team and alignment with priority themes.**
- Career breaks will be taken into account.
- Fluency in French is not a prerequisite, as teaching in English is commonplace at Polytechnique.

We recommend that candidates read the application guidelines prepared by the department, which is available at :

[https://www.polytechnique.edu/sites/default/files/content/Consignes\\_candidature\\_poste.pdf](https://www.polytechnique.edu/sites/default/files/content/Consignes_candidature_poste.pdf)

Conditions: The Ecole Polytechnique offers an attractive remuneration (depending on experience) and an exceptional environment both for teaching, with a reduced workload and contact with brilliant pupils/students, and for research, with the support (scientific, administrative and budgetary) of the CMAP. It also provides its assistant professors with excellent conditions for preparing a habilitation to direct research.

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### **Contact**

Candidates are strongly encouraged to contact the department in advance to discuss and refine their teaching and research projects :

- **Eva Löcherbach**, [eva.loecherbach@polytechnique.edu](mailto:eva.loecherbach@polytechnique.edu)
- **Cyril Marzouk**, [cyril.marzouk@polytechnique.edu](mailto:cyril.marzouk@polytechnique.edu)