Position : Monge professor F/H
Equivalent rank : Assistant Professor
Position référence :
Field, Discipline, or Theme : Applied mathematics ; Statistical Learning, Graph learning or Large Language Models
Rate : Full-time
Number of positions : 1
Contract type : Tenure track
Application deadline : March 23, 2026
Start date : September 1st, 2026

About Ecole Polytechnique

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[1]. 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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[1] In accordance with Articles L1132-1 of the *Code du travail* and Article 225-1 of the *Code pénal*.

Job Description

Affiliated Laboratory: Centre de Mathématiques Appliquées (CMAP)

Main Missions and Activities: This is a tenure track position as a Monge assistant professor[2] at the École Polytechnique. The opening of this position is motivated by growing activity in statistical learning and deep learning, both for research at CMAP, the École Polytechnique's Applied Mathematics laboratory, and for teaching in the Applied Mathematics department and in the new MScT Large Language Models, Graphs and Applications (LLGA). CMAP, through the SIMPAS team (Statistics, Image, Numerical Probability, Learning and Simulations) is a leading centre in this field. The person recruited will join the mathematics department at IP Paris as an Assistant Professor.

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

Desired Profile: The laboratory is looking to strengthen its team around statistical learning theory and deep learning, with a particular attention to the themes of machine learning on graphs, Large language Models methodology, theory and robustness, deep learning theory or application on graphs and text, but the department is open to all excellent profiles on themes related to statistical learning.

This position is associated with the Hi!Paris AI Cluster, the AI center on Data Analytics and Artificial Intelligence for Science, Business and Society.

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

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[2] Monge assistant professor positions are full-time positions intended for young researchers with a doctorate. It is a three-year contract, renewable once, during which the holder is considered an assistant professor. The Monge assistant professor must defend their "Habilitation à diriger les recherches" (HDR) before applying for tenure. Before or at the end of the sixth year, the assistant professor Monge is tenured and promoted to professor, provided that the evaluation of their research, teaching, and related activities is positive.

Application Process

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 or computer science or similar fields,** in machine learning, graph learning or LLM 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 statistical learning in the CMAP. The candidate is strongly encouraged to contact CMAP members to discuss the research project.

He/she should be able to contribute to the teaching of applied mathematics, statistics and machine learning at all levels of training (bachelor's degree, polytechnic engineering cycle, master's degree, even MOOC and Executive Education) with expected courses and implication in the MsCT Large Language Models, Graphs and Applications. 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

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.

Contact

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

- Rémi Flamary (remi.flamary@polytechnique.edu)
- Luiz Chamon (luiz.chamon@polytechnique.edu)
- Aymeric Dieuleveut (aymeric.dieuleveut@polytechnique.edu)
- Solenne Gaucher (solenne.gaucher@polytechnique.edu)