

# Department of Applied Mathematics

## **Full-time tenure track (Monge(\*)) Assistant Professor Position in Statistical Machine Learning with applications to Energy**



Application deadline: March 31st 2020  
Starting : September 2020

The Department of Applied Mathematics of the Ecole Polytechnique is willing to recruit a Monge Assistant Professor (tenure track) in Statistical Learning for full year on September 1st, 2020.

This assistant professor will have to carry out a research project around the issues of statistical learning and artificial intelligence for energy.

We are primarily interested in applicants whose research in statistical learning and artificial intelligence shall contribute to address societal challenges in energy, sustainability and climate change (e.g. statistical learning for energy efficiency, for load curve prediction, for pricing mechanisms, for smart grid control, for load curve disaggregation, etc.).

Holders of a PhD, the candidate will have to justify contributions to the field at the best international level attested by publications in the best statistical and or learning journals and international conferences : NeurIPS, ICML, COLT, AISTAT, etc. We will place great emphasis on the candidate's ability to work in a team and to interact with professors and researchers in statistical learning at CMAP and the interdisciplinary centre on energy and climate (Energy4Climate).

He/she will conduct his research at CMAP within the Signal IMage Numerical Probability Statistical Learning team and will participate in the research activities of the Interdisciplinary Centre on Energy and Climate. The candidate will be required to present a detailed scientific project demonstrating how his/her research will strengthen statistical machine learning research and develop strong research interactions with the Interdisciplinary Research Centre for Energy and Climate (he/she is strongly encouraged to contact Eric Moulines, Karim Lounici and/or Philippe Drobinski to discuss and refine his/her research project).

The Ecole Polytechnique offers an exceptional environment, with an adapted teaching load, as well as the support (scientific, administrative and budgetary) of the CMAP, for the preparation of a habilitation to lead research.

Candidates are strongly encouraged to write to the following contacts for further information :

- Eric Moulines, [eric.moulines@polytechnique.edu](mailto:eric.moulines@polytechnique.edu)
- Karim Lounici, [karim.lounici@polytechnique.edu](mailto:karim.lounici@polytechnique.edu)
- Philippe Drobinski, [philippe.drobinski@lmd.polytechnique.fr](mailto:philippe.drobinski@lmd.polytechnique.fr)

(\*) Monge assistant professors are 6-year tenure track positions (twice 3 years) that may be promoted to a tenure associate Professor position upon decision of Ecole polytechnique. A more detailed description of Monge positions is available on the website.