OFFER OF EMPLOYEMENT	**Permanent research position in Data Sciences, Machine Learning and Statistical Learning** **at CERMICS, École des Ponts ParisTech**

École des Ponts ParisTech is an institution of higher education and research in the field of science, engineering and economics. Under the supervision of the Ministry of Ecological and Solidarity Transition (MTES) and with an EPSCP status (Public Scientific, Cultural and Professional Establishment), its missions concern research, training and continuing education, the dissemination of knowledge, and the transfer to economic sectors and support for business creation. Its activities are national and international.

1. Generic presentation

The research at École des Ponts ParisTech is characterized by a balanced effort in the following scientific activites:

- Outstanding academic research, evaluated at the highest level by the HCERES (highest council for research), with 5 ERC, more than 1000 publications of rank A per year, a hundred Ph.D. theses supported per year,
- Partnership research with companies, public entities and local authorities.

École des Ponts ParisTech, in accordance with its strategic plan, develop a long-term research activity in the field of Machine Learning and Computer Vision. In its 2019 recruiting campaign, it opens two permanent researcher positions, one in the applied mathematics laboratory CERMICS and the other in the Imagine team at the LIGM computer lab. These positions are the subject of separate, yet complementary, descriptive worksheets.

École des Ponts ParisTech is one of the top 5 selective French « Grandes Écoles ». It trains engineers, with solid background in mathematics, at a high level of scientific, technical and general competences. CERMICS is a top ranked research center in applied mathematics. It hosts joint research teams with INRIA Paris and the University Paris-Est Marne-la-Vallée.

The research activity is currently organized in three main streams: Applied Probability; Modeling, Analysis and Simulation; Optimization and Systems. The staff includes 19 permanent researchers (14 senior researchers with "habilitation", 5 young researchers), and about 40 PhD students and postdocs. CERMICS has developed many industrial partnerships, academic partnerships (e.g, CERMICS is involved in three INRIA teams) and received important European and National research grants. The successful candidates will have to develop, in collaboration with the researchers of CERMICS, innovative research programs, with a strong academic component as well as research partnerships with industrial or service companies.

École des Ponts ParisTech has the ambition to develop within the research center in applied mathematics (CERMICS) a group in Statistics, Machine Learning and Data Sciences.

2. Applicant's profile

Candidates to the opened position should have excellent publication records in Data Sciences, Machine Learning or Statistical Learning, in accordance with their seniorities. A previous research or professorship experience is required. Particular attention will be paid to:

- The ability to lead and sustain a highly visible research activity meeting highest international standard;

- An excellent record of publications in top ranked International Journal or International Conferences in Statistical Learning and Machine Learning (e.g., Online Learning, Reinforcement Learning, Unsupervised Learning, Large Scale Learning);
- An expertise related or complementary to the CERMICS lab topics (e.g., Stochastic Optimization method, Bayesian methods, Dimensionality Reduction, High-dimensional Statistics, Statistical Computing, or Learning from complex data such as networks or time series, combination of machine learning and physics-based modeling, machine learning for operations research);
- Teaching experience and the will to participate to the training of the ENPC students (lectures, projects, mentoring…).

The appointee will be involved in the development and organization of the master track on Statistics and Data Sciences within the Master of Applied Mathematics of École des Ponts, in collaboration with one or several of its current partners (École Polytechnique, ENS Saclay, Sorbonne Université, University Paris-Est Marne-la-Vallée...). She/he will also be strongly encouraged to participate to the organization and teaching of Statistics and Data Science for engineering students (L3 or M1) and for master students (M2).

This position will benefit from an attractive salary, and will go along with significant start-up resources.

This job is open to to people with disabilities.

3. Location

Position based in CHAMPS-sur-MARNE (cité Descartes) - France

Access: RER A, 25 minutes from Paris city center.

4. Application

Requested documents: Research and teaching statement, CV, references.
The documents have to be sent to: https://jobaffinity.fr/apply/132249/678140

Link: https://cermics-lab.enpc.fr/