



Research Position

(Date of posting: Oct. 24 2018)

The Mathematical and Algorithmic Sciences Laboratory of Huawei Technologies in Paris offers one (1) position for a **Junior Researcher** in the area of machine learning and optimization.

The researcher will be hosted at Huawei facilities in Boulogne-Billancourt. The position is part of an ambitious research project aiming to contribute theoretical breakthroughs on the problem of *training binary neural networks*, using sophisticated mathematical tools from the domains of machine learning, combinatorial optimization and information theory. The researcher will have the opportunity to engage in *close collaboration* with several senior/junior members of the lab.

Interested candidates are expected to have a *strong mathematical background* in at least one of 1) mathematical optimization, 2) machine learning, and/or 3) information theory, as well as basic programming skills in python (or similar). A *solid research track record*, and a desire for fundamental & impactful research are also required. Emphasis will be given to quality of research, rather than quantity.

This is an exciting opportunity to perform top-tier research in a fast-paced environment in close collaboration with leading experts from both academia and industry. The researcher will work on the *high-impact* area of binarization of neural networks, which are expected to form the spine of intelligence in future mobile networks. Within the same project, collaborations with top experts throughout French/International academia are envisioned.

Details on the position:

- The appointment is for **12 months**.
- The initial salary is **45kEuro** plus all standard benefits mandated by French law (social security, paid leave, navigo pass, company perks etc.). Travelling expenses for conferences will be covered by the company.
- Applicants are strongly encouraged to apply at the earliest possible opportunity. The position will be filled as soon as a suitable candidate is found.

Applications must be submitted by email to Georgios Paschos (georgios.paschos@huawei.com) and cc Merouane Debbah (merouane.debbah@huawei.com), and should consist of a single pdf file including a (short) cover letter explaining applicant's fit to the position, a detailed CV with a list of publications, and the contact details of two/three referees.