Position: Senior Research Scientist on Machine Learning (Statistical Learning)

The Network and Traffic Optimization research team of the Mathematical and Algorithmic Sciences Lab, Huawei France Research Center, located in the Paris area, is looking for candidates for a permanent research position on Machine Learning to commence by the end of the year. The research will focus on developing algorithms and novel network analysis schemes to drive research and innovation in the context of advanced traffic engineering. The successful candidate will be involved in the development of competitive solutions Intelligent Network Management systems.

Major Responsibilities

- Lead research and innovation in the area of intelligent networks.
- Responsible for theory exploration, advanced algorithm design, analysis, and performance evaluation to meet challenging business requirements.
- Analyze business requirements and follow technology evolutions
- Collaborate with other units to ensure the successful exploitation of research outputs.
- Generation of intellectual property through the patenting of ideas.
- Propose and publish research in major research publications worldwide.
- Create and maintain strong collaborative associations with university-based researchers, other leading research bodies, business units and government agencies.

Required Degree: PhD  Experience: 6+ years  English: Operational

Specific Requirements:

Candidates must have a strong background in Statistical Learning in the context of Machine Learning and experience in system design, algorithm development, and simulation of networked systems. In addition, the following skills and experiences are highly desirable:
- PhD Degree in Applied Mathematics or Computer Science
- Solid background of statistical learning theory and computational statistics
- Good knowledge of standard statistical learning tools (e.g., regression methods, kernel methods, artificial neural networks, reinforcement learning).
- Experience on classification, regression, clustering, feature extraction problems
- Experience with machine learning software tools (R, Sage, SciPy, Matlab)
- Practical experience with big analytics software tools (Hadoop, Spark, Storm, Flink) will be a plus
- Proficiency with low-level development languages (C/C++) will be a plus
- Familiarity with network architectures, data center architectures and protocols will be a plus
- Solid theoretical experience and a good publication record in machine learning

Candidates must have the ability to conduct independent research while also contributing to team-oriented projects that often span across multiple international Huawei research sites.

Huawei is a leading global information and communications technology (ICT) solutions provider. Through our dedication to customer-centric innovation and strong partnerships, we have established end-to-end advantages in DC network, telecom networks, devices and cloud computing. We are committed to creating maximum value for telecom operators, service provider, enterprises and consumers by providing competitive solutions and services. Our products and solutions have been deployed in over 140 countries, serving more than one third of the world’s population.

To apply please send a complete CV, two reference persons and a cover letter briefly explaining your expertise and research interests. Applications should be submitted by email to: jjeremie.leguy@huawei.com and sonia.rodriguez@huawei.com