Open research engineer position in machine learning

Julien Mairal: julien.mairal@inria.fr

**General Information**: The engineer will be part of the Thoth team, which is specialized in computer vision and machine learning, and be supervised by Julien Mairal. Thoth is one of the most recognized European research team in computer vision, participate to several European projects, and has many international academic and industrial collaborations (Xerox, Facebook, Microsoft, Google). Salary will depend on previous experience.

**Objectives**: The main objectives are to

- develop highly effective machine learning libraries, based on recent work done in the Thoth team;
- participate to research projects involving a new generation of deep learning models for images and videos.
- perform software maintenance of previous libraries to ensure their compatibility with recent frameworks (for instance, Python 3.x vs 2.7).

**Location**: The engineer will work at the Inria Rhône-Alpes research center near Grenoble. The unit includes more than 600 people, within 26 research teams and 10 support services. Grenoble is a lively city which hosts many foreign students and researchers. Located in the heart of the French Alps its direct surroundings offer great outdoor recreation including skiing, cycling, and hiking. Paris can be reached from Grenoble in 3h by train.

**Duration**: First contract will be for one year, renewable several times.

**Desired Skills**: The candidate should have a high expertise in C++ and Python. He should also have a good background in computer science, understand mathematics, and be interested in machine learning. Previous experience with software development, multicore and GPU programming, other high-level languages (Matlab, R, Julia) would be a plus.