

Ph.D. position in Time Series Mining @ Ecole Polytechnique, France

Applications are invited for one Ph.D. position, starting early in 2014, on *Advanced Machine Learning for Large Scale Time Series data*. The research will have to dig into real world histories of events from an aircraft fleet. Advanced graphical model learning is expected to be central to this research after a thorough pre-processing phase where advanced feature selection and dimensionality reduction processes will be applied. The PhD will be academically conducted in the Informatics Laboratory (LIX) of Ecole Polytechnique – under the supervision of Prof. M. Vazirgiannis.

Ph.D. position - Requirements

Prospective applicants should have

- a recent B.Sc. and a Master (or equivalent) degree in the following areas: Mathematics, Physics, Computer Science/Engineering.
- knowledge and proven experience in the design and exploitation of Machine Learning and Data Mining algorithms
- experience in advanced programming and data management
- analytical skills and creative thinking with a hard working attitude
- a very good command in English (proved by relevant internationally approved tests)
- strong motivation for the specific position

Funding: Full & attractive funding for 3 years is available.

APPLICATIONS

Interested graduate students should send ****by email****

- a cover letter including a brief presentation of their academic record, the motivation and the skills of the candidate.
- a full CV
- a list of at least 2 academic/industrial references (names and contact information only, not the actual letters).

The above should be e-mailed in a compressed file named after your surname (i.e. <surname>.rar) to Prof. M. Vazirgiannis (mvazirg @ lix.polytechnique.fr)

THE LOCATION

The Ph.D. student will be based in the Informatics Laboratory (LIX) of Ecole Polytechnique in the broader area of Paris. Ecole Polytechnique is the premier engineering University of France and among the top world wide and offers an exceptional environment for research in the fast growing research and technological pole of Saclay few kilometers south of Paris. Additionally it offers ample resources and facilities in the University campus. See further details at:

- Ecole Polytechnique (<http://www.polytechnique.edu>)
- The web pages of LIX @Ecole Polytechnique: <http://www.lix.polytechnique.fr/dascim>
- The Data Science and Mining group in LIX @Ecole Polytechnique: <http://www.lix.polytechnique.fr/dascim>