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PHD POSITION ANNOUNCEMENT

A PhD position is available in the area of **large random matrix theory applied to signal processing and machine learning**.

Research fields include statistical estimation, spectral clustering, and neural network-related problems in the light of large random matrix theory.

From a purely mathematical aspect, the focus will be on the spectral behavior of some classes of large random matrices, such as non-Hermitian random matrices as well as so-called kernel random matrices.

The position will be hosted by **SUPELEC**, under the supervision of Prof. Romain COUILLET (<http://couillet.romain.perso.sfr.fr/>) with close collaborations with the computer science department at **Ecole Normale Supérieure of Ulm** and the communication and signal processing departments at **Telecom ParisTech**.

The three schools are leading French electrical engineering, computer science, and mathematics schools located in Paris, France.

The candidate is expected to have a solid background in probability theory, in statistics, as well as possibly in electrical engineering or computer science.

The contract is a standard three-year French PhD student contract, starting around October to December 2014.

A competitive remuneration will be offered.

Interested applicants should **email a short statement of research interests and a CV to Romain COUILLET** : romain.couillet@supelec.fr