



## PhD Scholarship in Brain Signal Analysis using EEG

Three-year PhD scholarship is available to UK, EU and overseas students and will cover home tuition fees plus a maintenance grant equivalent to the full UK Research Council rate.

**Research Theme:** This project aims to perform analysis on EEG (Electroencephalography) data to investigate mental fatigue. The aim is to investigate novel methods to extract neuro-markers from EEG for the identification of brain states. The discovery of neuro-markers will have great potential in a wide range of applications (i.e. military, sports and medical applications).

**Location** : University of Kent at Medway, UK (40-50 mins from London by train)

**Supervisor** : Dr. Caroline Ling Li

**Co-supervisors:** Prof. Samuele Marcora, Prof. Howard Bowman

**Key words** : EEG, time-frequency analysis, phase synchrony, machine learning, pattern recognition, general linear model

### Criteria

Applicant must have a good first degree or good Master's level degree. Ideally at Master level with relevant research experience. Strong programming or/and math skill is preferred. Previous research experience leading to publications would be an advantage.

### How to apply

Send covering letter and CV together with contacts of two referees to [c.li@kent.ac.uk](mailto:c.li@kent.ac.uk), including contact detail, research interest and your suitability for this award. Please also include experience, if any, of academic or professional research; experience, if any, of teaching or mentoring.

You must also complete the online form for making a formal application for a PhD (Doctor of Philosophy Research) in Computer Science at the University of Kent via

<http://www.kent.ac.uk/courses/postgrad/apply/index.html>

Successful candidate will be based at Medway Campus. Information about Medway Campus can be found here: <http://www.kent.ac.uk/locations/medway/campus/index.html>

**Deadline:** 3 Nov, 2013.

For questions about applications, please contact [c.li@kent.ac.uk](mailto:c.li@kent.ac.uk)

Kent provides a dynamic and challenging academic environment and has an excellent reputation for collaborative research with universities around the world. For more information about Kent's research portfolio see: [www.kent.ac.uk/pg](http://www.kent.ac.uk/pg)

**For more information, please go to:** <http://www.cs.kent.ac.uk/people/staff/cl339>