

University of Kent 50th Anniversary PhD Scholarship in Brain Signal Analysis for Cognitive Research

In preparation for the University's 50th anniversary in 2015, Kent has established 100 doctoral scholarships to be awarded annually from 2012. Known as Kent's 50th Anniversary Scholars, successful candidates will demonstrate academic excellence and outstanding research potential.

The Faculty of Science is offering to support an application for PhD scholarships based at School of Computing starting from 2012 Autumn term for a maximum of three years on a full time basis, subject to satisfactory academic progress. Scholarships will be 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 (£13,590 in 2011/12). This award is also a Graduate Teaching Assistantship (GTA) award. The recipient is expected to hold a GTA contract and undertake a small amount of teaching. This provides a unique opportunity to the successful candidate with both a student scholarship award and the experience of being an employee of the University.

The proposed interdisciplinary research is focused on applying data analysis methods for brain activity analysis in mental and physical fatigue. The temporal locking of phase information between different neuron populations of the brain conveys important information about cognitive processes. The aim is to investigate novel methods to extract neuro-markers from EEG (Electroencephalography) for understanding cognitive function. The discovery of neuro-markers will have great potential in a wide range of applications (i.e. military, sports and medical applications).

For questions about research proposals please contact:

Dr. Caroline Li (c.li@kent.ac.uk), Prof. Howard Bowman (h.bowman@kent.ac.uk)

Prof. Samuele Marcora (s.m.marcora@kent.ac.uk).

Criteria

Applicant must have a good first degree or good Master's level degree. Ideally at Master level with relevant research experience. Previous research experience leading to publications would be an advantage. Shortlisted applicants will be expected to attend an interview.

How to apply

Applicants must:

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>

Send covering letter and CV to 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.

Deadline: 4 July, 2012.

Shortlisted candidates will be notified on 9 July, 2012 and must be available for interview on 12 July, 2012. For questions about applications, please contact 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 and how to apply see: www.kent.ac.uk/pg