PhD Scholarship in Deep Learning

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 explore how deep learning can be used to deal with multiscale multidimensional biomedical signals, and to evaluate the effectiveness of different learning algorithms in recognizing the signal patterns. It will examine this problem by comparing with traditional algorithms and propose novel deep learning architectures with adversarial network (i.e. GAN) to explore discriminative power in a particular domain of biomedical signals (i.e. EMG, ECG, EEG).

Location   : University of Kent at Medway, UK (40-50 mins from London by train)
Supervisors   : Dr. Caroline Ling Li, Prof. Philippe De Wilde, Dr. Palaniappan Ramaswamy
Key words   : Machine learning, Deep learning, Biomedical signal analysis, EMG

Criteria

Candidates must hold a good Honours degree (First or 2:1) or a Master's degree at merit or distinction in a relevant subject or equivalent. Applicants whose first language is not English must hold IELTS (or equivalent) at 6.5 with no element less than 6.0. Strong programming or/and math skill is preferred. Previous research experience leading to publications would be an advantage.

How to apply

Deadline: Friday 30 June 2017
Expected start date: Autumn 2017

Applications should be made through the: University of Kent online admission form mentioning "Dr. Caroline Li - deep learning project" in the "Reasons for study" section. Please also send a 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.

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

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 see: www.kent.ac.uk/pg

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