

PhD Studentship

Computational Intelligence Research Group (CIRG)

School of Design, Engineering and Computing, Bournemouth University, United Kingdom

Applications are invited for a 3 year PhD research studentship to work on a project entitled "**Using Computation Intelligence Techniques to Support Incidental Learning**" which is funded by Bournemouth University.

Incidental Learning is a term, originating in the Computational Intelligence Research Group at Bournemouth University, which describes a novel approach to providing online learners with a more active role in the learning process. Incidental Learning involves the development of a 'cognitive assistant', which continuously filters a wide range of additional support materials (gathered from a variety of external sources) in a manner which is appropriate to the learner's current cognitive load.

The focus for the proposed research is the design of the filtering process, which will use computational intelligence techniques to create a system which will classify the potential usefulness of the additional support materials, most of which will be unstructured. Statistical, machine learning, and hybrid intelligent techniques will be used in the design of the filtering system. The continuous nature of the filtering process imposes performance constraints, which will also form part of the research.

The student will be joining a Computational Intelligence Research Group and will be based in the School of Design, Engineering & Computing in Bournemouth.

The studentship carries a remuneration of £12500 pa tax-free and payment of tuition fees at home/EU rate. The successful applicant will normally need to be an EU citizen though a limited number of studentships is available for outstanding non-EU candidates.

Applicants should have a strong mathematical background and hold a first or upper second class honours degree or equivalent in computer science, mathematics, physics, engineering, statistics or a similar discipline. Additionally the candidate should have strong programming experience using any or combination of C++, Matlab or Java.

For further details please contact Michael Jones, e-mail: mwjones@bournemouth.ac.uk or visit the following www pages: http://dec.bournemouth.ac.uk/staff/bgabrys/PhD_Studentships_2006.html.

Interested candidates should follow the application procedure listed on the University of Bournemouth web pages: http://www.bournemouth.ac.uk/thegraduateschool/phd_studentships/how_to_apply.html.

Further details concerning the studentship and application procedure can be also obtained from the School of DEC Research Administrator - Ms Jo Sawyer, Email: jsawyer@bournemouth.ac.uk. Tel: +44 (0)1202 965985