

**The Department of Electronics, University of York
(in collaboration with School of Computing, University of Kent)**

Industrially Funded PhD Research Studentship

Personalised Services for Ubiquitous Systems

This project offers an exciting opportunity to help shape the future of consumer oriented services. We are able to offer a 3 year PhD studentship focusing on the development of adaptive algorithms, architectures and techniques that are capable of creating a dynamic system to provide ubiquitous services to consumers anywhere, anytime. The project is focussed on the development of software for a user-centric service provision to be deployed on hand-held devices so they can learn, perceive, and anticipate what the user is doing. The project is focussed on the development of software to enable the consumer interaction based on their previous behaviour, personalisation and preferences in a pervasive environment. The PhD will investigate a wide variety of machine learning approaches, from statistical learning to bio-inspired approaches, utilise a wide variety of data sources, and investigate the best way in which to exploit the wide variety of data.

The candidate will be expected to interact on a regular basis with the industrial collaborator, which will provide the student with an excellent opportunity to understand research from an industrial perspective and apply research in a real-world setting.

The successful applicant will be expected to have completed a degree in Computer Science, Electronics or a related subject, and have experience with machine learning, bio-inspired computation and embedded systems. The studentship will be supervised Professor Jon Timmis (York), Dr Rogério de Lemos (Kent) and representatives of the industrial partner. The funding includes fees for home (EU) students, and approximately GBP 13,200 pa (tax free) as a stipend. Overseas students are welcome to apply but will be required to pay the differences in fees between EU and overseas.

Informal enquiries about the post can be made to Prof Jon Timmis (email jt517@ohm.york.ac.uk).

The post is for 3 years starting as soon as possible in 2010.

Closing date for applications: 29th June 2010

Applicants should apply via the normal University of York procedures which can be found at <http://www.york.ac.uk/graduatestudy/>, and in addition send an email to Prof Jon Timmis attaching a CV and a 500 word statement outlining why you are applying for this studentship, both in PDF format.