



**Two PhD studentships for UK students (three-year home tuition fees + a stipend of around 15K pounds per year, starting date: September 2008)**

UCL Department of Computer Science and Department of Electronic and Electrical Engineering are both part of the recently established **Indo-UK Advanced Technology Centre of Excellence in NGNs and Services** (for more information, visit <http://info200.infc.ulst.ac.uk/IU-ATC/index.html> ). We are seeking to recruit two PhD students to work with Dr Steve Hailes (CS) and Dr Yang Yang (EE) on several collaborative research projects with top Indian research institutions. These projects are in the areas of next-generation networks (NGNs), cognitive radios and dynamic spectrum access, wireless sensor, ad hoc and mesh networks, cooperative communications and relay networks. Our research methodologies will involve algorithm development, performance evaluation, computer simulation and, when possible, testbed experiments.

Applicants are required to have an MSc degree in Computer Science, Electronic/Electrical Engineering, or a related field, good knowledge of communication networks, sound analytical skills and programming skills (e.g. NS2, Matlab, C/C++, or Java), and effective written and verbal communication skills. It is desirable that the applications have some R&D experience in cognitive radio, wireless ad hoc and sensor networks, radio resource management, or MAC and routing protocols. A good track record of publications is a plus, but not a necessary requirement.

These two PhD studentships are tax-free and for three years (September 2008 – August 2011). Each of them will provide the standard home tuition fees for a UK student and a stipend of around 15K pounds per year to cover the student's living expenses in London.

The following is a broad outline of the main **duties and responsibilities**:

- Design and analyse novel intelligent algorithms for a chosen research project.
- Develop a simulation platform for performance evaluation.
- Prepare progress reports on research ideas and results.

- Contribute to the drafting and submitting of papers to appropriate peer reviewed journals and conferences.
- Contribute to the overall activities of the research team and department as required.

To apply, please submit your PhD application form online through <http://www.ucl.ac.uk/prospective-students/> Please put Dr Steve Hailes (if you want to register with CS) or Dr. Yang Yang (if you want to register with EE) as your potential supervisor and mention your interest in "IU-ATC PhD Studentship".

The closing date for applications is **Friday 30<sup>th</sup> May 2008**.

Regrettably, we are only able to contact candidates who are successful at the shortlisting stage. Thank you for your interest in these PhD studentships.

UCL Taking Action for Equality.