

EPSRC PhD Studentship

Providing Communication in Infrastructureless Environments: Disruption Tolerant Networking

Mixed Reality Laboratory (MRL)

School of Computer Science & Information Technology

Applications are invited for a three-year, full-time, fully-funded EPSRC PhD Studentship to investigate 'A Novel Routing Protocol for Large Scale Disconnected Environments'. The project aims to explore how wireless mobile protocols can support a very large number of users in establishing and maintaining communication in environments with little or no existing network infrastructure i.e. disaster affected areas by Tsunami. We will develop a novel optimised routing protocol for providing ubiquitous connectivity to large number of users and devices at manageable cost in the face of frequently disconnected infrastructure. We will do this by combining scaleable mobile ad hoc routing approaches and delay tolerant network routing approaches. This research will involve developing the protocol through the modelling and simulation.

This studentship covers fees and a stipend of £12,000 - £14,000 per annum for home and EU full-time students. Additional funding might also be available subject to student's progress. Students will have opportunities to collaborate with University of Cambridge, UK and Intel Berkley Research lab, USA.

Students should have, or expect to obtain, at least a 2.1 undergraduate degree in Computer Science. A MSc in Data Communications, Networks and Distributed Systems would be an advantage. Experience of working with mobile wireless networks protocols, simulations or self organised systems is desirable.

Applications, with a detailed CV, the names and addresses of two referees and a completed PhD application form (available at: <https://pgapps.nottingham.ac.uk/>), should be sent to Dr. Hazel Glover, Mixed Reality Lab, School of Computer Science and IT, The University of Nottingham, Jubilee Campus, Wollaton Road, Nottingham, NG8 1BB. Email: hazel@cs.nott.ac.uk .

Closing Date is 1 June 2006.