



## School of Electronic Engineering and Computer Science

### PhD Studentship in Ensemble Interaction Over Distance

Applications are invited for a PhD Studentship starting in September 2012 to undertake research on **ensemble interaction in musical performance**. The studentship is based at the School of Electronic Engineering and Computer Science at Queen Mary, University of London and will be supervised jointly by Prof. Elaine Chew ([www.eecs.qmul.ac.uk/~eniale](http://www.eecs.qmul.ac.uk/~eniale)) of the Centre for Digital Music and Prof. Patrick Healey ([www.eecs.qmul.ac.uk/~ph](http://www.eecs.qmul.ac.uk/~ph)) of the Interaction, Media, and Communication group.

When a small group of musicians negotiate in performance (i.e. real-time) the shaping and execution of a collective interpretation, the communication is non-verbal; some of the cues can be embedded in the musical prosody, and some demonstrated through gestures. This project aims to capture, analyze, quantify, and model the cues necessary for effective and engaging ensemble performance, by studying both co-located as well as distributed (over the Internet) ensembles.

Candidates should have a first class honours degree or equivalent (top 10%) in Electronic Engineering, Computer Science, Psychology, or a related field, and be able to demonstrate strong mathematical and analytical skills. Good programming skills and a background in setting up distributed environments is strongly preferred. Experience in skilled musical ensemble performance would be extremely helpful.

This Queen Mary, University of London, College studentship will cover student fees and a tax-free stipend starting at £15,590 per annum and is available to candidates of all nationalities.

Informal enquiries can be made by email to Prof. Elaine Chew ([elaine.chew@eecs.qmul.ac.uk](mailto:elaine.chew@eecs.qmul.ac.uk)).

Information about the school and its research areas can be found at [www.eecs.qmul.ac.uk](http://www.eecs.qmul.ac.uk); more details on the Centre for Digital Music and the Interaction, Media, and Communication group are available at [www.elec.qmul.ac.uk/digitalmusic](http://www.elec.qmul.ac.uk/digitalmusic) and [www.dcs.qmul.ac.uk/research/imc](http://www.dcs.qmul.ac.uk/research/imc), respectively.

**To apply please email the following documents to Prof. Elaine Chew ([elaine.chew@eecs.qmul.ac.uk](mailto:elaine.chew@eecs.qmul.ac.uk)): a completed application form, a CV listing all publications, your representative publications in PDF format, 3 reference letters, a research statement and other relevant documents as requested (see [www.qmul.ac.uk/postgraduate/apply](http://www.qmul.ac.uk/postgraduate/apply)). These documents must also be submitted online following the instructions given in the link.**

**The closing date for the applications is 31 January 2012.**

**Interviews are expected to take place during the week commencing 6 February 2012.**

*Valuing Diversity & Committed to Equality*