



## PhD Studentship in the Area of: **Objective Video Quality Assessment in Content Distribution Network**

### **Computing Department, Lancaster University**

Applications are invited for a PhD studentship at the Computing Department, Lancaster University (<http://www.comp.lancs.ac.uk/>) starting October 2006. The studentship is co-funded by the European Network of Excellence CONTENT and Agilent Technologies (<http://www.agilent.com>).

The proposed research looks at different ways of objective video quality assessment and how they can be carried out within a Content Distribution Network (CDN). Therefore various algorithmic metrics that utilise human visual system models have to be investigated. Based on this, better algorithmic tests for objectively assessing video quality on video signals for which there may only be reduced-reference or no-reference signals should be devised. The assessment of image and video quality is a twofold issue. Therefore two main questions should be answered within the research project, i.e. i.) how does one observe and assess quality degradation, and ii.) how can it be attributed the right cause within a CDN.

The research will be carried out in the project context of CONTENT (a European NoE in which 10 European universities collaborate) and in collaboration with Agilent Laboratories Scotland, South Queensferry, Edinburgh.

Candidates should hold a BSC (Hons) at 2.1 or better in communications, computer science or a related area. An MSc in a related area is desirable but not essential. Applications from non-UK students are invited if their qualifications fulfil the above criteria.

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To apply please fill in a PhD application form available from:

<http://www.lancs.ac.uk/users/admissions/postgrad/pgform1.htm>

And indicate on the form that you wish to be considered for the CONTENT/ Agilent Studentship with Dr. Andreas Mauthe. Please complete the application with a written statement giving your the reason applying.