Eight Things You Should Know About Our EngD Centre
UCL is one of the world’s premier universities, and is consistently highly placed in global university rankings. It is a world-class research and teaching institution. In the last Research Assessment Exercise, RAE 2008, UCL was rated the best research university in London, and the third in the UK overall.

...and why not Jonathan Ross (TV presenter), Ricky Gervais (Office sitcom) and Coldplay (yes, all of them)…
first to admit students of any religion, race or gender
overseas students from 140+ countries making up nearly a third of student body
the lowest (10:1) student to staff ratio in the UK
over 4,000 academic and research staff
10,460 graduate students and 13,600 undergraduate students

21 Nobel Prize Winners
3rd best university in Europe (Shanghai Jiao Tong ranking, 2010)
2nd most productive and 3rd most highly cited European university in the Thomson Scientific Citation Index
EPSRC Engineering Doctorate Centre in Virtual Environments, Imaging and Visualisation (EngD VEIV) was founded in 2001 at UCL in the Department of Computer Science and the Bartlett School of Graduate Studies. Our EngD Centre funds and supports Research Engineers (REs) studying in areas related to the use of visualisation and imaging in engineering and design. We secured major EPSRC funding; for 50 new places – 10 EngD scholarships per year until 2014.

The four-year EngD programme trains first class Research Engineers (REs) who can meet the demands of the entrepreneurial economy with critical depth and stamina. Our REs undertake a bespoke, one-year technical training programme (MRes), followed by three years’ full-time work on their sponsor’s project. Additional training is offered throughout. The EngD is equivalent in research standing to a PhD. REs receive a tax-free stipend of approximately £18,500 per year. The EngD is open to graduates in any branch of computer science, architecture and engineering (or other relevant disciplines), provided that they are articulate, well qualified and highly motivated.
Each RE is sponsored by an industrial or charitable partner. The cost of sponsorship is typically around £36,000 to £40,000 over four years, with occasional concessions offered to charitable sponsors. UCL have already secured EPSRC matching funds. REs normally divide their time between the sponsoring organisation and UCL.

The programme supports REs in a studentship mode, but it also supports current employees from industrial organisations seeking to enhance their R&D capabilities. This offers companies, including SMEs, a way to further research and development, while retaining highly sought-after staff who wish to continue their professional development.
Throughout 2011-2014 the EngD VEIV Centre is welcoming proposals from industrial and public parties (see contacts) to sponsor engineering doctorate students (i.e. Research Engineers) in adaptive architecture and computation, development of digital technologies in architecture, construction, and urban planning, SPACE SYNTAX, use of visualisation in building design and engineering, parametric built environment modeling, use of imaging and visualisation in heritage science and building performance simulation but we are open to all other suggestions for industrial research.

Both schools offer research led MSc/MRes courses: MRes in Adaptive Architecture and Computation (Sean Hanna, EngD Centre Academic Director), MSc in Computer Graphics, Vision and Imaging and MSc in Computer Science. Optional modules can be chosen on a flexible basis in consultation with the Industrial and Academic EngD supervisors. For example in 2010, EngD students working on sustainable building design and engineering topics attended seminars offered by The Chartered Institution of Building Services Engineers (CIBSE) accredited MSc in Environmental Design and Engineering (Dr Ben Croxford, Course Director). Additional training is offered throughout the EngD Programme. The Bartlett, Faculty of the Built Environment is a CIBSE approved CPD provider.
A strength of the EngD VEIV is the diversity of our collaboration portfolio. Our current industrial sponsors include:

**AEDAS, HALCROWN, NETWORK RAIL, BBC, PROCTOR & GAMBLE, ARUP, BAE SYSTEMS, FEILDEN CLEGGBRADLEY STUDIOS, CIBSE, SKANSKA, AMEY, FOSTERS+PARTNERS, BENTLEY & PLP, FREEFORM, SCIENCE MUSEUM, LONDON METROPOLITAN ARCHIVES, J. BRUGES STUDIO, BRE.**

**Contacts (for UCL Staff and Potential Industrial Sponsors):**

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The UCL Computer Science Department is a world-class centre of excellence. The department is brought together by a clear focus on experimental computer science; that is we are concerned with real-world data and observations about computer, software systems and their use. Our expertise includes: (1) networks and communications, (2) vision, imaging and virtual environments, (3) intelligent systems, (4) bioinformatics and (5) software systems engineering.

The Bartlett School of Graduate Studies is the only UK built environment department to host two research groups which have been acknowledged as ‘world leading’ by the EPSRC via the award of Platform Funding: Space Group and Complex Built Environment Systems Group (with UCL Energy Institute). The majority of our work has been recognised as ‘world leading’ (35% - top percentage in Architecture & Built Environment) and ‘internationally excellent’ (40%) by the latest RAE Panel – one of the top submissions in terms of both its quality and quantity.