PhD Studentships in The Autonomic Power System
From October 2012
at the Electricity Policy Research Group (EPRG)

The ESRC Electricity Policy Research Group (EPRG) at the University of Cambridge is a highly successful interdisciplinary multi-department team whose research into issues concerning electricity policy is of international importance and wide influence.

An award from the EPSRC under their Grand Challenges programme allows us to offer two studentships to UK/EU citizens associated with a project entitled ‘The Autonomic Power System’, in collaboration with a number of other UK universities. The autonomic power system is a completely integrated and distributed control philosophy which self-manages and optimises all network operational decisions in real time. To deliver this, fundamental research is required to determine the level of distributed control achievable (or the balance between distributed, centralised, and hierarchical controls) and its impact on investment decisions, resilience, risk, customer participation and control in a trans-national interconnected electricity network.

The EPRG wishes to appoint up to two PhD students from 1 October 2012 to work on some of the economic aspects of this project.

The studentships will be offered to work in one of the two areas of work:

(1) Network Regulation in an Autonomic World

(2) Business Models for Companies within the Autonomic World

For each student, the grant funding will cover

- Research Council standard rate maintenance stipend for 3 years from Oct 2012
- University fees for 3 years from Oct 2012. College fees cannot be charged to the grant and are the responsibility of the student

More details are available on request from Dr Michael Pollitt (m.pollitt@jbs.cam.ac.uk).

Requirements

Offers of a studentship will be conditional on applicants’ acceptance on the PhD programme of either the Faculty of Economics, the Judge Business School or the Faculty of Engineering at the University of Cambridge. The EPRG is unable to advise on factors relating to admission to the University; further information on graduate study, including application forms for graduate admission is at http://www.admin.cam.ac.uk/offices/gradstud/app-grad.html.
All admissions for graduate study at the University of Cambridge are managed by the Board of Graduate Studies. Please visit their website for more information on eligibility and funding.

For further information on entry requirements see:
Faculty of Economics
(http://www.econ.cam.ac.uk/prospect/phd/)
Judge Business School PhD programme
(http://www.jbs.cam.ac.uk/programmes/phd/index.html).
Faculty of Engineering
http://www.eng.cam.ac.uk/postgraduate/prospective-students/applying

**Studentship Application Process**

Interested candidates are strongly encouraged to discuss potential topics informally with Dr Michael Pollitt (m.pollitt@jbs.cam.ac.uk).

Applicants for EPRG PhD studentships are expected to have completed a postgraduate masters degree or an extended first degree such as an MSc, before they start work on their PhD in Economics or an equivalent quantitative subject. Candidates are expected to have achieved first class honours in their undergraduate degree and a Distinction in their Master’s Degree. Offers of studentships will be conditional on the applicant’s acceptance on the PhD programme of the relevant Department to which they are applying.

Applications for the studentships should consist of a covering letter, a full CV and a 5 page proposal for a PhD topic consistent with one of the areas of interest above. Applications for the studentship should be received January 30th, 2012, by Andrew Pruitt, Administrator of EPRG, eprgadm@hermes.cam.ac.uk.