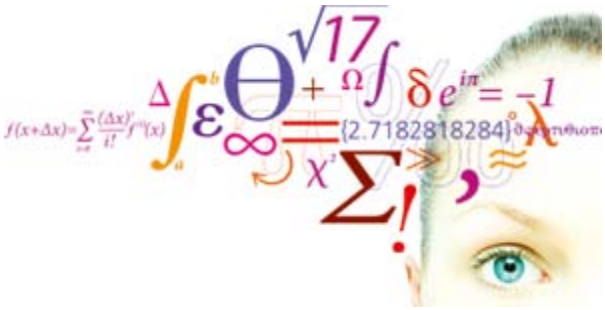
PhD scholarship in Energy Innovation System analysis – with focus on innovation from energy efficiency efforts



The Department of Management Engineering at the Technical University of Denmark invites applications for a PhD position with start 1 October 2011.

The Department intends to intensify its research about innovation system dynamics in the area of energy and sustainability. One of the major efforts in this direction is the "EIS – Strategic research alliance for Energy Innovation Systems and their dynamics" which contains a number of PhD projects and other research projects that all create new knowledge about the energy innovation systems in Denmark, seen as part of an international context. The aim is to critically assess the characteristics and dynamics of the energy innovation systems and their efficiency of moving towards the long-term societal goal of renewable and sustainable future energy systems.

Job description
The PhD project shall analyse the dynamics of innovation in the area of energy efficiency. Earlier studies have indicated that the area of energy efficient technologies in Denmark is a highly innovative field. New product introductions and new business activities occur more frequently than in many other areas. However, the energy efficiency efforts have not yet been analysed in terms of what the innovation dynamics more specifically consists of as well as how technological and industrial competitiveness is actually created from. Based on renewed policy efforts and industrialisations about energy savings and efficiency, the PhD-project shall analyse thisOne of the hypotheses is that, despite common policy institutionalisations, the energy efficiency innovations appear differently in different sectors.

As part of the EIS research alliance you will work in the Department's Section for Innovation Systems and Foresight. Supervision will be provided by senior staff in the section. Moreover, advice and feedback can be expected from other scientists in the EIS alliance, from PhD colleagues, and from relevant user organizations and institutions in the Danish energy landscape. Active participation in the PhD network and PhD course in EIS is part of the job.

Qualifications
Candidates must have a Master's degree in social science or engineering or a similar degree with an academic level equivalent to the master's degree in engineering.

Moreover, they should have:

- Knowledge about dynamics of innovation and technology development
- Some insight into Danish society (e.g. in the energy sector, energy policy, institutionalisations, actor landscapes, etc.)
- Interest in energy innovation systems and conditions for developing technological and industrial competences for renewable and sustainable energy systems
- Capability to communicate and discuss knowledge about energy innovation systems with scientists as well as practitioners in Danish energy innovation

- Proficiency in oral and written English and Danish and
- Good grades – a weighted average of at least 8 (7 grade scale) in addition to a high grade on the Master's thesis (10 or 12).

Approval and Enrolment
The scholarship is subject to academic approval, and the candidate will be enrolled in the Department's PhD school. For information about the general requirements for enrolment and the general planning of the scholarship studies, please see the DTU PhD Guide.

Salary and appointment terms
The salary and appointment terms are consistent with the current rules for PhD degree students. The period of employment is 3 years.

Further information
Further information may be obtained from Senior Researcher Mads Borup in June or beginning of August. Phone: (+45) 4525 4530, e-mail: mabo@man.dtu.dk.

Application
We must have your online application by **4 August 2011**. Apply online HERE. Please open the link "apply for this job online", fill in the online application form and attach the following documents;

- A letter motivating the application (cover letter)
- Curriculum vitae
- Grade transcripts and BSc/MSc diploma
- Excel sheet with translation of grades to the Danish grading system (see guidelines and excel spreadsheet here).

Candidates may apply prior to obtaining their Master's degree, but cannot begin before having received it.

All interested candidates irrespective of age, gender, race, religion or ethnic background are encouraged to apply.

DTU Management Engineering carries out research, education and dissemination of knowledge within the fields of planning, innovation and management. The Department comprises a staff of 235 persons. Every term, 3000 students are enrolled at courses taught by the Department. The EIS alliance has contributions from ten universities and research institutions in Denmark and abroad. It is funded by the Danish Council for Strategic Research and the involved research institutions. See more on www.man.dtu.dk and www.eis-all.dk.