

## **Professor within Medical Imaging and Biomedical Engineering Education**

DTU Electrical Engineering at the Technical University of Denmark invites applications for a position as Professor within Medical Imaging and Biomedical Engineering Education. The position will be in our Biomedical Engineering Group with about 50 staff members.

The Biomedical Engineering group conducts research within Ultrasound Imaging (hardware, implementation and imaging of structure and flow), Magnetic Resonance Imaging, Biomedical Signal Processing, Biomechanics and Cellular Signalling. The group also teaches and administers the Bachelor and Master programmes in Medicine and Technology, which are given in close collaboration with the University of Copenhagen. The group has extended collaboration with the industry and a large number of clinical partners.

### **Responsibilities and tasks**

The successful candidate is expected to lead the further development of our engineering education in the biomedical area with focus on medical imaging and is also expected to contribute to research and innovation within at least one of the areas of our biomedical engineering group mentioned above.

Activities are expected to link to other relevant engineering areas that are related to or supporting the biomedical area.

The emphasis of the position will be on educational activities. The successful candidate is expected to spearhead new activities in teaching and education at the bachelor-, master- and PhD levels.

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### **Qualifications**

Candidates should already have obtained well-documented international recognition within their research field. Employment entails original research at the highest international level within the above mentioned research theme.

The successful candidate should be able to document substantial experience with teaching at all university levels. And he/she should have previous experience with design, implementation and management of biomedical engineering education including a solid insight in pedagogical aspects.

### **Assessment**

In the assessment of the candidates consideration will be given to

- the ability to teach
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to development of the department's internal and external cooperation visions within the research area

For the specific position consideration will also be given to:

- experience with design and implementation of biomedical engineering educational programs with emphasis on biomedical imaging

- experience in collaboration with hospitals and the health science community.

**Salary and appointment terms**

The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

**Further information**

Further information may be obtained from Head of Department, Kristian E. Stubkjaer, phone +45 45 25 36 54.

You can read more about Department of Electrical Engineering on [www.elektro.dtu.dk](http://www.elektro.dtu.dk)

**Application procedure:**

Please submit your online application no later than **XXX 2014**. Apply online at [www.career.dtu.dk](http://www.career.dtu.dk).

Applications must be submitted as **one pdf file** containing all materials to be given consideration. To apply, please open the link "Apply online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter) addressed to the President
- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

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