



**LUND**  
UNIVERSITY

NOTICE OF VACANT POSITION

2010-02-09

PA 2010/157

LTH Administration Office  
*Personnel, LTH*

Lund University is one of Europe's leading universities, combining centuries of tradition with dynamic development and cutting edge competence. Areas of education and research include technology, science, law, social sciences, economics, medicine, humanities, theology and performing arts. The university has around 38 000 students and 5 300 employees. Lund University is an active member of the leading international networks League of European Research Universities (LERU) and Universitas 21, and is one of twelve academic institutions within the Øresund University. We also collaborate with many other universities and research centres worldwide.

LTH forms the Faculty of Engineering at Lund University, with approximately 6 500 students and 850 PhD students. The research carried out at LTH is of a high international standard and we are continuously developing our teaching methods and adapting our courses to current needs.

Lund University invites applications for the following position:

**Associate University Lecturer in Solid Mechanics with emphasis Biomechanics**

at the Department of Construction Sciences

Ref.no.: PA 2010/157

For further information please contact: Matti Ristinmaa, phone 046-2227987,  
matti.ristinmaa@solid.lth.se

**Appointment**

Associate University Lecturer. The position involves a four-year time-limited appointment as lecturer. The appointment can be extended up to one year if the holder has been directly involved in teaching activities at basic/advanced level for more than 25% of the time.

**Subject field**

Solid Mechanics oriented towards Biomechanics

**Specification of subject field**

The subject of solid mechanics is a broad topic that, essentially, deals with deformable bodies. Research at the division focuses on material modeling, numerical methods, biomechanics and fracture mechanics. The current recruitment is focused on modeling and computational methods with application in biomechanics

**Duties**

The position includes research, teaching, supervision and some administrative work. Teaching will be conducted at the undergraduate level, graduate level and research level within the subject field. The present employment is intended to strengthen the division's research profile in the field of biomechanics, in particular modeling and simulation. Besides

own research, supervision of doctoral students and project workers is also included. The holder is expected to contribute to the development of project proposals and applications to external funds.

### **Eligibility requirements**

The applicant should have a doctoral degree from a Swedish university or equivalent from another country. Priority will be given to applicants who have received their degree no more than five years prior to the deadline of the application. Applicants who have received their degree earlier than that can be taken into consideration if there are specific reasons for that, like absence due to military service, sickness, commission of trust in trade union or parental leave or other similar circumstances. The applicant must have good skills in both written and spoken English.

### **Basis of assessment**

In assessing the candidates most emphasis will be on the scientific qualifications. Research experience in advanced mathematical modeling and simulation particularly in the field of biomechanics and the ability to conduct independent research are of great importance for the position. Experimental research experience in biomechanics that can contribute to the exploitation of resources in Maxlab and ESS is a merit and this also applies to an established international network and ability to develop international cooperation. Teaching skills and experience in teaching and supervision at the undergraduate level as well as at the advanced level is deemed valuable. Knowledge of Swedish will also be considered. Consideration will also be given to how the candidates through their experience and competence can be judged to complete and strengthen research and education at the division.

### **Promotion**

Upon application an associate university lecturer can be promoted to a permanent position as senior university lecturer. The requirement is that the employee is formally qualified for such an appointment and is in addition deemed suitable for promotion according to the basis of assessment established by the University. The subject field should be the same as that of the associate university lecturer position.

### **Basis of assessment for promotion to university lecturer**

In the assessment for promotion, equal weight will be given to the applicant's scientific qualifications beyond that of the doctoral degree and to documented pedagogical qualifications. Administrative qualifications will be taken into consideration. Furthermore, the applicant should have been nationally and internationally active as a researcher. Documented ability to develop and manage research and teaching activities as well as extramural activities will also be considered.

### **Last day of application: March 17th. 2010.**

The general requirements for appointment of a Associate University Lecturer are given in the Higher Education Ordinance (SFS 1998:1003).

Gender balance is a strong issue at Lund University and we encourage both men and women to apply for this position.

Applications should be written in English and be drawn up according to Instructions for applicants, available on <http://www.lth.se/english> "Vacant positions". Here, links can also be found to Appointment regulations and Assessment criteria.

Applications stating the reference number **PA 2010/157** should be addressed to the Dean of the Faculty of Engineering/ and be sent to the Registrar, Lund University, P.O. Box 118, SE-221 00 LUND, Sweden. The delivery address for packages sent by special delivery/courier mail is Paradisgatan 5 C, SE-223 50 Lund, Sweden. A digital application (e-mail) to [Registrar@lu.se](mailto:Registrar@lu.se) must be complemented with a signed application as soon as possible. Please send a copy (pdf) to [pia.larsson@kansli.lth.se](mailto:pia.larsson@kansli.lth.se) as well.

Applications must be received by **March 17th, 2010.**

Welcome with your application!  
Pia Larsson