



December 9, 2009

Official Records No.  
PA 2009/4211

## LUND UNIVERSITY

Faculty of Science

Faculty Office

Faculty Personnel Coordinator J Eliasson

Lund University announces a position as

### Professor in Mathematical Statistics

*Lund University is one of Europe's leading universities, and is Scandinavia's largest institution for education and research in a large number of disciplines, such as engineering, natural sciences, law, social science, economics, medicine, theology and the arts. The University has over 39 000 students and approximately 5 500 employees located in Lund, Malmö and Helsingborg. We have a comprehensive global network and a growing co-operation within the Öresund University framework within Southern Sweden and Eastern Denmark.*

*The division of Mathematical Statistics in the centre for Mathematical Sciences constitutes of personal from both the science faculty and the technical faculty (LTH) at Lund University. Currently, 25 teachers, researchers and PhD students work in several areas in fundamental statistics as well as different application areas. Present research areas in mathematical statistics are spatial-temporal stochastic models, non-parametric inference, interacting particle systems, statistical signal processing, filtering and inference in partially observed systems with applications among others in financial mathematics, environmental research and medicine.*

#### Basic information about the position

**Reference no:** 4211

**Closing date for applications:** March 1, 2010

**Date of appointment:** As soon as possible

**Placement:** Division of Mathematical Statistics at Faculty of Science, centre for Mathematical Sciences

**Trades unions at Lund University:** OFR, SACO and SEKO

**Information about the position:** Head of division, Maria Sandsten, +46 (0)46 222 49 53, sandsten@maths.lth.se

**Information about conditions of employment and the application process:** Faculty Personnel Coordinator Johan Eliasson, +46 (0)46 222 94 58, johan.eliasson@kanslin.lu.se

#### Description of responsibilities

One of the major focuses of the position is extending the research and educational cooperation with the science faculty and other parts of the university. Responsibilities include leading the postgraduate education, supervise postgraduate students, as well as developing and teaching courses at both basic and advanced levels. The successful candidate is expected to be internationally active and to generate external funding in her/his subject area stimulating a research development in the field of mathematical statistics.

#### Necessary qualifications

To be eligible for an appointment as professor in science, a person must, according to Chapter 4, Paragraph 5 of the Higher Education Ordinance, have demonstrated both

academic and teaching skills. As much attention shall be given to the assessment of teaching skills as to the assessment of academic skills.

The holder of the position should have a leading role in developing the field of mathematical statistic sciences and the divisions activities, in both education and research. Our preferred candidate should have broad knowledge in the field of mathematical statistics with a strong research qualification within one of the topic's main areas, with an emphasis on general methods of statistical modeling, probability theory, analysis of stochastic models and statistical inference. The successful candidate is also expected to be internationally active and to generate external funding in her/his subject area stimulating the research development in the field of mathematical statistics. A documented interest and a positive attitude toward applications of statistical methodology in science, medicine, economics, or technology is a requirement. The successful candidate shall have good pedagogical skills with teaching experience at different levels. Of special relevance is proven ability to be dynamic, creative, open and to demonstrate a willingness to co-operate. It is also important to be communicative and independent, to show social competence and to be sensitive to the requirements of the work areas comprising the position.

Regulations for evaluation of qualifications for teaching positions are given in Chapter 4, Paragraph 15 of the Higher Education Ordinance. When making the appointment, consideration will also be given to the viewpoints expressed in *the Strategic Plan* adopted by Lund University

([http://www.lu.se/upload/LUPDF/Om\\_LU/Strategicplan\\_2007\\_2011.pdf](http://www.lu.se/upload/LUPDF/Om_LU/Strategicplan_2007_2011.pdf)) and in *Lund University Teacher Appointment Regulations* ([http://www3.lu.se/pers/Regler/aolu02\\_en.pdf](http://www3.lu.se/pers/Regler/aolu02_en.pdf)).

In the overall assessment, we will also take into consideration any personal ability regarded as valuable in fulfilling the requirements of the position, and the fact that the University strives to achieve an even gender balance at this type of position.

#### **Required content of the application**

The Faculty Board has specified instructions for the application and its accompanying documents. These can be found at the Internet address:

<http://www.naturvetenskap.lu.se/o.o.i.s/11729>

(<http://www.naturvetenskap.lu.se/anstallning>)

Information can also be obtained upon request by e-mail or ordinary mail.

By commission

Johan Eliasson