Doctoral student in Mathematical Statistics

Lund University was founded in 1666. Today, the University is ranked as one of the world's top 100 and is Sweden's most international higher education institution. The University has 47,700 students and 7,500 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Job Assignments

The main topic of the research will be analysis of discrete-time stochastic processes and interacting particle systems, with a focus on history-dependent random processes and possibly related to random geometry. The analysis of such models uses a broad spectrum of probability theory, including e.g. results from martingale theory, random graphs theory and percolation. The project also aims to contribute to the study of evolvements of social networks.

Eligibility/Entry Requirements

The candidate is supposed to have a good knowledge of mathematics at graduate level. In particular, merits for graduate courses in probability theory, stochastic processes, and measure theory-related courses should be above average level. Successfully passed courses in discrete mathematics, statistical physics and graph theory are also desirable.

The candidate must have (or obtain within 3 months after 1/9 2015) a Master Degree in Mathematics / Mathematical Statistics, or a relevant equivalent degree.

Basis of Assessment

The employment of doctoral students is regulated in the Swedish Code of Statutes 1998:80. Only those who are or have been admitted to PhD-studies may be appointed to doctoral studentships. When an appointment to a doctoral studentship is made, the ability of the student to benefit from PhD-studies shall primarily be taken into account. In addition to devoting themselves to their studies, those appointed to doctoral studentships may be required to work with educational tasks, research and administration, in accordance with specific regulations in the ordinance.

Type of employment

Limit of tenure, four years according to HF 5 kap 7§.

Lund University promotes an equal opportunities code. We encourage both men and women to apply for this position.
Lunds universitet is using the recruitment system MyNetwork in the recruitment process.