



2017-11-03

## PhD Student in Mathematics

at BTH, Blekinge Institute of Technology, at the  
Department of Mathematics and Natural Sciences in  
Karlskrona, Sweden

Reference number: BTH 3.1.2-0398-2017

### **Description of the position:**

A PhD student shall mainly be concerned with postgraduate studies which means participating in research projects and taking courses. The work also includes teaching duties and administrative work, however, never exceeding 20% of full-time. The research to be conducted mainly lies within non-commutative algebra in a research project co-funded by the Crafoord Foundation. The main objective of the project is to develop a better understanding of the algebraic structure of various types of group graded rings, especially epsilon-strongly graded rings and graph algebras.

### **Eligibility:**

To be employed as a PhD student, admission to postgraduate studies is required. Admission to postgraduate studies requires a degree at advanced level or otherwise acquired knowledge to enable successful participation in education at the postgraduate level.

### **Meriting qualifications:**

A first-cycle or second-cycle degree in mathematics, physics or in a related field. Good working knowledge in written and spoken English.

### **Basis for assessment:**

The selection of candidates for postgraduate studies is based on the ability to successfully complete the studies. The following will be considered:

1. Knowledge and abilities of relevance to the subject of the thesis and of the PhD programme.
2. Ability to work independently and ability to formulate and attack scientific problems.
3. Ability to communicate, both through writing and orally.
4. Other experience which is of relevance to the postgraduate studies, e.g. work experience.

**Salary:**

For PhD students at BTH a standard salary scale is applied, which means that the salary is adjusted upwards as the student progresses through the program.

**Employment level:**

100 %.

**Commencement:**

2018-01-01 or to be agreed.

**Duration:**

Temporary position

**Contact information:**

Professor Johan Öinert, +46 455- 38 56 84

Head of Department Vanja Lindberg +46 455- 38 54 38

Mikael Åsman (SACO), +46 455-38 57 20.

Stina Valdenäs (OFR), +46 455-38 54 92.

**Application:**

Welcome with your application marked with the reference number BTH 3.1.2-0398-2017 no later than 2017-11-24. Include a cover letter describing your interest in the position and this research field, your CV, and copies of degree certificates and other documents verifying your merits. Send your application to [diarium@bth.se](mailto:diarium@bth.se).

In its work, BTH needs experiences of both women and men. Applications are welcomed from both genders for all positions.

**Other:**

We have chosen the media for this recruitment and therefore do not want other contact with advertisers or other recruitment service vendors.

## BTH, Blekinge Institute of Technology,

*is one of the most distinctly profiled universities in Sweden, where applied IT and innovation for sustainable growth are in focus. In our education and research, engineering and IT are integrated with other disciplines such as urban planning, industrial economics, design and health sciences to contribute to solving the challenges facing society. Everything we do at BTH has three distinct perspectives: innovation, sustainability and in real life, which means cooperation and exchange with both business and industry as well as society. A characteristic of BTH is the close cooperation with industry and society, which permeates both education and research at the regional, national and international level. We conduct education and research at a high international level. BTH has two faculties – the Faculty of Computing and the Faculty of Engineering.*