



2018-07-11

Two postdoctoral positions in Empirical Software Engineering

The positions are placed at the Department of Software Engineering in Karlskrona, Sweden

Reference numbers:

Position 1 BTH-3.1.5-0479-2018

Position 2 BTH-3.1.5-0480-2018.

Work description:

The position primarily includes research in close cooperation with industry within our new major developments in empirical software engineering. The applicant will work in one or more of the following focus areas:

- Human factors in software engineering focusing on social, psychological and cognitive factors in software development, as well as integration of these in the development of software-intensive products and services.
- Data-oriented software engineering focusing on the use of the large amounts of data generated during software development and/or in the use of products, to improve development processes and products.
- Value-oriented software engineering focusing on the characteristics of processes and products and the values they are associate with for individuals or within companies or organizations.

Our tradition of close cooperation with industry means that we particularly value knowledge and experience in evaluation and improvement, as well as experience in empirical research. Experience from research in or with industry is an essential part of the employment. In this context, transfer of technology, processes, tools and knowledge to industry is an integral part of the work.

There is the possibility of supervision of postgraduate students.

Up to 20% of the position amount to course development, supervision, teaching and administration. Course development, supervision and teaching are conducted in English at advanced level, and mainly in Swedish at basic level.

Eligibility:

A person is eligible for employment as a postdoctor if he or she has obtained a doctoral degree or equivalent scientific competence. Primary consideration is given to applicants who became eligible no later than three years before the application deadline. Persons who became eligible earlier can be given primary consideration, if there are particular circumstances, like sickness, parental leave, clinic or military service, commissions of trust in trade unions or other similar circumstances.

Meriting qualifications:

- Doctoral degree in software engineering, computer science or equivalent.
- Knowledge and experience in one or more of the following areas in relation to software development/IT:
 - Social, behavioural and/or cognitive science.
 - Natural language processing, machine learning and/or search-based software engineering.
 - Industrial economy.
- Ability to work independently as well as in teams.

Balance of qualifications:

In the assessment, scientific skills in software engineering are considered foremost and pedagogical skills in the other hand. Further consideration is given to the degree of administrative and other skills that are relevant to the employment.

Employment level:

100 %.

Commencement:

To be agreed.

Duration:

Temporary, up to two years.

Contact information:

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Application instructions:

Please submit your application, marked with the reference number for the position, by **August 31, 2018** at the latest. Applications should be sent to: The Registrar, Blekinge Tekniska Högskola, SE-371 79 Karlskrona, Sweden or by email to: diarium@bth.se

For more information, please refer to the “Instructions to applicants” at www.bth.se/eng/about-bth/vacancies-at-bth (below the list of vacancies) or our HR department, +46-455-38 50 68.

BTH is an equal opportunity employer, thus all applicants are most welcome to apply.

Department of Software Engineering

The position is located at the Department of Software Engineering, which belongs to the Faculty of Computing and currently consists of 46 from 19 countries out of which 23 are senior researchers and 17 are PhD students.

Our tradition in software engineering originates from 1990 when we launched Sweden’s first education program in software engineering. The department’s research and education environment, SERL Sweden – Software Engineering Research and Education Lab Sweden, has steadily expanded in the last years. The department is responsible for study programs in software engineering on Ph.D., Master- and Bachelor level. Furthermore, we have just launched a new 5-year integrated Master of Science of Engineering program in software engineering (“civilingenjör”).

Research and education at the Department of Software Engineering are conducted in close collaboration with partners from both the private and the public sector. Our strength is the focus on empirical research to strengthen industry's competitiveness in the development of software-intensive systems, services and products in close collaboration with companies such as ABB, Ericsson, Saab, Sony, Telenor and Volvo. The department's research is internationally top-ranked by the Journal of Systems and Software, based on its strong publication record in prestigious journals.

Blekinge Institute of Technology, BTH

Blekinge Institute of Technology, BTH, is one of the most distinctly profiled universities in Sweden, where 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.

We welcome your application