



**KTH Computer Science
and Communication**

PhD and Postdoc Positions in Theoretical Computer Science

The Theory Group at KTH Royal Institute of Technology invites applications for **PhD and postdoctoral positions in theoretical computer science**.

KTH is the leading technical university in Sweden. The Theory Group at KTH (www.csc.kth.se/tcs/) offers a strong research environment covering a wide range of research topics such as complexity theory, computer and network security, cryptography, and formal methods. The group has a consistent track record of publishing in the leading theoretical computer science conferences and journals worldwide, and the research conducted here has attracted numerous international awards and grants in recent years. We are now set to expand further, and these positions are just two of several new openings.

We are seeking one PhD student and two postdocs, who will be working in the research group of Jakob Nordström (www.csc.kth.se/~jakobn). Much of the activities of this group revolve around the themes of proof complexity and SAT solving. However, these areas have also turned out to have deep, and sometimes surprising, connections to other topics such as, e.g., circuit complexity, communication complexity, and hardness of approximation, and therefore researchers in these or other related areas are more than welcome to apply.

The research project is financed by a Breakthrough Research Grant from the Swedish Research Council and a Starting Independent Researcher Grant from the European Research Council. In addition to the project leader, the group currently consists of one postdoc and two PhD students. Travel funding is included, and the group also receives short-term and long-term visitors on a regular basis.

The successful candidates are expected to start in August-September 2014, although this is to some extent negotiable.

The **application deadline is December 15, 2013**. More information and instructions how to apply can be found at

- PhD position: www.csc.kth.se/~jakobn/openings/D-2013-0620-Eng.php
- Postdoc positions: www.csc.kth.se/~jakobn/openings/D-2013-0712-Eng.php

Informal enquiries are welcome and may be sent to Jakob Nordström.