You love algorithms, their analysis and efficient implementation? You are about to graduate with an excellent Master’s degree and are looking for a PhD student position?

The group Theoretical Computer Science / Parallel Computing at the Department of Informatics of Karlsruhe Institute of Technology (Germany) is inviting applications for a full-time position as PhD Student / Research Assistant (m/f) (pay grade 13 TV-L) starting on or after July 1st, 2016 (fixed-term contract).

**Working Area:**

The research group is primarily concerned with the development of algorithms for problems from network science, combinatorial scientific computing, and applied optimization. In the focus of this position are research topics on parallel graph algorithms that work well both in theory and in practice.

Further responsibilities as part of the position include the supervision of bachelor and master students and possibly TA duties. That is why knowledge of German is desirable.

**Requirements:**

- Very good university degree (Master or equivalent) in computer science or a closely related field
- Solid skills in the design and analysis of algorithms and data structures as well as their implementation (evidenced by your thesis or relevant courses); knowledge in graph algorithms is particularly desirable
- Self-motivation, team spirit, and willingness to work in interdisciplinary projects
- Knowledge in parallel algorithms / parallel programming is a plus, but no requirement

KIT offers excellent conditions for undergraduate, graduate, and PhD students. Its computer science department is one of the largest in Germany.

KIT is pursuing a gender equality policy. We would therefore particularly encourage qualified women to apply. If qualified, handicapped applicants will be preferred.

Please send your application documents (cover letter, CV, copies of certificates and the contact information of two references), preferably via email in one PDF attachment, to the address below. Applications are welcome until the position is filled. To receive full consideration, submit by May 12, 2016 to:

**Karlsruhe Institute of Technology (KIT)**  
Institute of Theoretical Informatics  
Prof. Dr. Henning Meyerhenke  
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KIT – The Research University in the Helmholtz Association.