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 the position of a

**PhD Student / Research Assistant (m/f) (pay grade 13 TV-L)**

starting on or after April 1st, 2016. This full-time position is funded by a national BMBF project.

**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 theoretically sound as well as practical algorithms for balancing the computational load of large-scale parallel graph computations.

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 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 programming (in particular MPI) is a big 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) to the address below. Applications are welcome until the position is filled. To receive full consideration, submit **by February 23, 2016** to:

**Karlsruhe Institute of Technology (KIT)**
**Institute of Theoretical Informatics**
**Prof. Dr. Henning Meyerhenke**
**Am Fasanengarten 5**
**D-76131 Karlsruhe**
**Germany**
**Email:** meyerhenke@kit.edu

KIT – The Research University in the Helmholtz Association.