

12 Doctoral (Ph.D.) Researcher positions available

in the Research Training Group (RTG) „SocialCars – cooperative, (de-)centralized traffic management“

jointly hosted at Technischen Universität Braunschweig, Technischen Universität Clausthal and Leibniz Universität Hannover



The RTG SocialCars funded by the DFG is a joint collaborative program involving six interdisciplinary research groups representing the areas of traffic planning, traffic psychology, computer science, business information systems, communications technology, and geodetic science / geo-informatics.

The focus of SocialCars is on significantly improving future urban road traffic, through cooperative approaches. “How can individual travelers make optimal use of the transport infrastructure, so that safety is increased and congestion and pollution are reduced?” is the key question. SocialCars aims to answer this question by investigating the interaction between centralized (system-optimal) management and decentralized (user-optimal) decisions of traffic participants.

A detailed description of the PhD projects, a list of supervisors as well as further information regarding the application process is available on our website www.socialcars.org/openings.html

Position:

- Carry out **research** with emphasis on **PhD project**;
- Participate in **qualification and study program** of the RTG;
- Publish **scientific papers**;
- Present your research results at national and international conferences;
- Enjoy systematic individual supervision and mentoring throughout the doctoral work.

We expect:

- An **outstanding Master's degree** (or equivalent) in a related science or engineering field;
- **Excellent** written and verbal communication skills in **English**;
- Willingness to **learn the German language**;
- Additional, **disciplinary requirements** are related to the different topics of PhD projects.

General Conditions:

- Tenable for three years from April 2017 (or as soon as possible thereafter);
- Salary: E 13 TV-L (German public service salary scale), full time;
- Working location will be partly at the hosting institute and partly at the Automotive Research Centre Niedersachsen (NFF) in Braunschweig;
- We specifically encourage applications by qualified female researchers;
- Applications of disabled persons with corresponding aptitude for the positions will be prioritized.

Applications in German or English language should be submitted by email (one pdf document) to bewerbungen@socialcars.org until **January 02, 2017**; they should include:

1. **Cover letter, Curriculum Vitae, Full academic record** (Certificates + Transcript of record)
2. **Research Proposal** (max. 5000 characters incl. spaces) motivating your specific interest in the RTG, highlighting your personal interest and strengths for a specific PhD topic, as well as initial research ideas concerning this topic
3. Completed **application form** (see website)

Shortlisted candidates will be invited to an applicant's workshop on February 02, 2017 in Hanover.