

The **DFG Research Training Group 1931 “SocialCars – cooperative, (de)centralized traffic management”** jointly hosted at Technische Universität Braunschweig, Technische Universität Clausthal and Leibniz Universität Hannover is looking to fill

twelve Ph.D. positions (f/m/d)

SocialCars 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**. We address challenges that arise when considering the implications of automated mixed traffic scenarios and novel mobility services for dynamic traffic management. Here, the core question is how the interplay of local and global (city-wide) control and coordination strategies should be designed to ensure sustainable, safe, and efficient urban traffic.

A detailed description of the Ph.D. projects, a list of supervisors as well as further information regarding the application process is available on our website www.socialcars.org/call-for-applications.html

Position

- Carry out independent **research** with emphasis on the **Ph.D. project**
- Participate in **qualification and study program** of the Research Training Group
- **Cooperation with Ph.D. students** of the Research Training Group
- **Presentation** of research results at (**international**) **conferences** and **publication of scientific papers**
- Enjoy systematic individual **supervision** and **mentoring** throughout the doctoral work

Your Profile

- **Outstanding Master's degree** (or equivalent) in a related science or engineering field
- **Highly proficient** in spoken and written **English**
- Additional, **disciplinary requirements** are related to the different topics of Ph.D. projects
- Willingness to **learn the German language**

General Conditions

- Tenable for three years from 01 April 2020 (or as soon as possible thereafter) until 31 March 2023
- Salary up to E 13 TV-L (German public service salary scale)
- Working location will be partly at the hosting institute and at the Automotive Research Centre Niedersachsen (NFF) in Braunschweig

How to apply

Applications in German or English language should be submitted by email (one pdf document) to bewerbungen@socialcars.org until **18 December 2019**; 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 Ph.D. topic, as well as initial research ideas
3. Completed **application form** (see website)

Shortlisted candidates are invited to a **full-day applicants' workshop on 23 January 2020** in Hanover.

Qualified female researchers are strongly encouraged to apply. Applications from severely handicapped persons with equivalent qualifications will be prioritized. With submission of your application, you accept the processing of your applicant data in terms of data protection law.