



## Ph.D. Positions in Future Automotive Computing Systems

The **Institute of Computer and Network Engineering** at the Technische Universität Braunschweig is a leading institution in embedded and cyber-physical system research with more than 50 researchers and staff ([www.ida.ing.tu-bs.de](http://www.ida.ing.tu-bs.de)) working in the areas of avionics, automotive and space systems design and architectures collaborating with an international network of academic and industrial partners. There are **several research staff openings** with the opportunity to pursue a **Ph.D. degree** in EE. Research addresses future high performance automotive computing systems for intelligent and autonomous systems, including computer and in-vehicle network architectures, software and run-time systems, protocols and design methods. Focus is on real-time and safety for electro mobility and automated driving applications. The positions are embedded in multi-disciplinary research teams. Salary is according to the German TV-L E13 (ca. 50k€ annual gross salary).

We expect profound knowledge in one or more of the following areas: **cyber-physical systems, HW/SW architectures for networked systems, dependable and real-time systems design, formal methods in systems design**. Candidates with excellent grades are invited to send their applications including a CV and certificates to [sekretariat@ida.ing.tu-bs.de](mailto:sekretariat@ida.ing.tu-bs.de).

For **further questions** please contact [Prof. Dr.-Ing. Rolf Ernst](mailto:ernst@ida.ing.tu-bs.de) ([ernst@ida.ing.tu-bs.de](mailto:ernst@ida.ing.tu-bs.de))

The academic community at Technische Universität (TU) Braunschweig, founded in 1745, comprises 20,000 students and 3,500 staff. Engineers and natural scientists collaborate closely with economists, social and educational scientists, and the humanities. TU Braunschweig is committed to strategic and achievement-oriented thinking, good teaching, strong links at many levels with partners in industry, science and society, and close international cooperation. Home to more than 20 renowned research institutes and facilities, Braunschweig is one of Europe's most research-intensive regions, and an attractive location for scientists and their families.

At TU Braunschweig, we aim to increase the share of women in academic positions and therefore particularly welcome applications from women. Where candidates have equivalent qualifications, preference will be given to female candidates. Applications from international scientists are welcome. A part-time appointment may be possible on request. Where candidates have the same qualifications, preference will be given to severely disabled candidates.

By submitting your application documents electronically, you consent to their digital storage and processing for the application process. You further consent to the risks associated with sending and processing personal documents electronically.