



Technische Universität Braunschweig | emg
Hans-Sommer-Str. 66 | 38106 Braunschweig

At the Institute of Electrical Measurement and Fundamental Electrical Engineering at the Technische Universität Braunschweig, the position of a

Scientist – 13 TV-L –

is vacant. The recruitment process shall be finalized as soon as possible. The contract shall expire on October 31 2017.

What to expect:

Your research is part of the EU FP7 Project NANOMAG and it deals with the characterization of magnetic nanoparticles as well as with the improvement and standardization of measurement techniques. The main focus of the research activities at the institute is to determine magnetic and structure parameters of magnetic nanoparticles - produced by other partners - by means of dynamic magnetic measurement techniques such as magnetorelaxometry, ac susceptibility, and Magnetic Particle Spectroscopy and to correlate the obtained nanoparticle parameters with the findings from other techniques. Related to this, the calibration of the measurement systems and the refinement of the analysis models and procedures should be performed. The investigations will be carried out in close collaboration with other European partners of the NANOMAG project.

Your activities at the institute cover the execution of the research project, in addition there is the possibility of graduating.

Requeirments:

- Above-average university degree in electrical engineering, physics, materials science or comparable natural science or engineering study course
- Interest in participation in application oriented and interdisciplinary research projects
- Ability for autonomous and well-structured work on research topics and for collaboration with project partners
- Excellent communicative skills in English (oral and written) (German would be desirable)

The TU Braunschweig aims for an increase of the percentage of women and therefore explicitly invites women to apply for the position. In case of equal qualification, disabled persons will be preferred. A certificate must be appended.

Please send your written application with the usual documents and with the targeted starting date per e-mail to: m.schilling@tu-bs.de or per letter to: **Prof. Dr. rer. nat. Meinhard Schilling, Technische Universität Braunschweig, Institut für Elektrische Messtechnik und Grundlagen der Elektrotechnik, Hans-Sommer-Str. 66, 38106 Braunschweig.**

For further information, please, contact Dr. Frank Ludwig (f.ludwig@tu-bs.de).

We are looking forward to your application!