

Job Advertisement – Research Assistant Electrical Engineering T-PAPER4SOUND

The Chemnitz University of Technology has established itself into an innovative scientific and educational institution that is able to consciously meet challenges in the competition with other universities. The university offers attractive workplaces to personalities with proven professional expertise, who want to contribute constructively to an innovative further development.

At the earliest possible date the department of mechanical engineering, professorship of Print Media Technology, offers a position as a

Research Assistant (100 %, pay category 13 TV-L)

limited until 30.10.2022 with the possibility of continued employment. The selection is made accordingly to suitability, qualification and professional performance. The Chemnitz University of Technology is endeavored to especially promote women, so qualified women are explicitly encouraged to apply for the job. Severely disabled or equal people are, in accordance with SGB IX, regarded as a matter of priority. In principle, the position is suitable for part-time employment. It will be checked if the wish for a part-time position can be realized within the scope of official feasibilities.

The limited employment takes place according to the respective conditions of the „Wissenschaftszeitvertragsgesetz“ (WissZeitVG) and the Saxon „Hochschulfreiheitsgesetz“ (SächsHSFG).

Our fields of work are diverse and your tasks would be in the following areas:

- Design and realization of electronic components and circuits in interaction with printed electronics, in particular with printed loudspeaker paper (T-PAPER)
 - in particular design and adaption of audio amplifiers
 - but also multifunctional audio modules and systems (e.g. sensor-actuator-systems)
- Manufacturing of prototypes and demonstrators for T-PAPER applications
- Implementation of research works within the framework of the research project T-PAPER4SOUND, as well as documentation and publication of research results

You will use your research results for scientific publications and your own qualification. This is a position for further scientific qualification.

If you are interested in working in an interdisciplinary, highly motivated team and if you want to be confronted with themes of great practical relevance, you should have the following requirements:

- Scientific university degree in the field of electrical engineering or comparable disciplines that qualify for an admission to senior service
- Experiences with audio amplifier design are desirable
- Experience in programming microcontrollers is desirable
- Experiences in dealing with piezoelectric actuators and sensors as well as their electro-mechanical and electro-acoustic characterization are of advantage
- Independent and autonomous way of working
- Very good technical English skills

The applicants need to meet the requirements for employment according to § 71 SächsHSFG.

Please avoid sending original documents, as your written documents will not be sent back, but instead will be destroyed in accordance with data protection regulations. In case you wish a return of your documents, please enclose a self-addressed stamped envelope to your application.

Applications with the usual documents are to be directed under the key word „**T-PAPER4SOUND - Elektronik**“ until July 7 2021 to:

Technische Universität Chemnitz

Fakultät für Maschinenbau

Professur Printmedientechnik

Ansprechpartner:

Prof. Dr. Arved C. Hübner

09107 Chemnitz

E-Mail: pmhuebler@mb.tu-chemnitz.de

The relevant information on the collection and processing of personal data can be found at https://www.tu-chemnitz.de/verwaltung/personal/public/Datenschutz/dse_dp.html.