

The TU Dresden is among the top universities in Germany and Europe and one of the eleven German universities that were identified as an 'elite university' in June 2012. As a modern full-status university with 17 faculties it offers a wide academic range making it one of a very few in Germany.

Faculty of Mechanical Science and Engineering

At the **Institute of Materials Science**, the **Chair of Materials Science and Nanotechnology** (Prof. Dr. G. Cuniberti) offers a position as

Research Associate (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting October 1, 2022. The position comprises 50 % of the full-time weekly hours and is limited for 3 years with the option for extension, subject to resources being available. The period of employment is governed by the Fixed Term Research Contracts Acts (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (e. g. PhD) and is embedded in the cooperative research project Olfactorial Perceptronics funded by the Volkswagen Foundation which aims at establishing an interdisciplinary and innovative combination between *electronic sensors* and *human perception* with a special focus on olfaction.

Tasks

The main goal of the project is the development of a cross-disciplinary network of researchers working on electronic sensors and human perception in the frame of a multidisciplinary qualification process of the Perceptronics research team. Interdisciplinary thinking and team-oriented working are key requirements. To this end, the successful candidate will be fully integrated in the research activities of the partners constituting the Perceptronics project.

Requirements

For a successful application, a university degree (e.g. Master) is required, preferably in either Physics, Chemistry, Materials Science or Electrical Engineering fields. Previous experience in the development of miniaturized nanosensors are considered as preferential; furthermore, personal initiative, independent work, as well as excellent communication and writing skills in English. We target at top-notch dedicated and proactive dynamic scientists who plan to make their mark in science.

What we offer

You will join a team of enthusiastic scientists who pursue creatively their individual research agenda inspired by the project's innovative approach and support. Your working environment will include the access to state-of-the-art facilities and instruments and your work will be strongly benefit from a dense research network with leading institutions in Dresden. We are committed to the promotion of gender equality and a family-friendly working environment.

Applications from women are particularly welcome. The same applies to people with disabilities.

Application Procedure

Applicants should submit their application documents as a **single pdf file**, including a letter of motivation, a short statement about their vision for perceptronics, a Curriculum Vitae including a full publication list, and one reference letter via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending to jobs.nano@tu-dresden.de with the **subject: "Application Perceptronics, your_surname"** or to: **TU Dresden, Fakultät Maschinenwesen, Institut für Werkstoffwissenschaft, Professur für Materialwissenschaft und Nanotechnik, Herrn Prof. Cuniberti, Helmholtzstr. 10, 01069 Dresden**. Deadline for applications is **September 6, 2022** (stamped arrival date of the university central mail service applies). Please submit copies only, as your

application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.