Technische Universität Dresden (TUD), as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world’s most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

The Faculty of Electrical and Computer Engineering, Institute of Circuits and Systems, the Chair of Fundamentals of Electrical Engineering is seeking to appoint a student as

student assistant (m/f/x) (15 hrs./week)

starting as soon as possible and limited for 5 months. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Tasks: academic support, esp. literature research on memristive Cellular Nonlinear Networks (CNNs) and their applications, implementation of a simulation environment for memristive CNNs.

Requirements: student enrolled at a college/university. This position requires a very good knowledge of basic electrical engineering and programming (Python and/or MATLAB). Background in dynamical systems is an asset but not mandatory. The modeling of memristive devices and of cellular neural/nonlinear networks will be thoroughly studied during this research project. Experience with widely available circuit design tools is also possible, depending on the student’s background and expectations.

TU Dresden strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your application by January 16, 2023 (stamped arrival date of the university central mail service applies) via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to dimitrios.prousalis@tu-dresden.de or to: TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Grundlagen der Elektrotechnik und Elektronik, Professor für Grundlagen der Elektrotechnik, Herrn Dimitrios Prousalis, Helmholtzstr. 10, 01069 Dresden, Germany. 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.