PADERBORN UNIVERSITY

Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Computer Science, Electrical Engineering and Mathematics** at the **Department of Electrical Engineering – Signal and System Theory Group –** the following position is to be filled as soon as possible

Research Assistant (f/m/d)

(Salary level according to 13 TV-L)

with 100 % of the regular working hours for a fixed term of one year with the goal of developing scientific competencies and laying the foundational work for pursuing a doctoral dissertation. An extension of the contract to complete the doctoral dissertation is possible within the limits set by the "Wissenschaftszeitvertragsgesetz (WissZeitVG)" law.

Your duties and responsibilities:

- Engage in cutting-edge work in statistical signal processing, machine learning, and data science, especially with biomedical applications
- Contribute actively to our ongoing research projects
- Support teaching activities (4 SWS), particularly in courses related to statistical signal processing and data science, supervise student projects, Bachelor and Master theses, etc.

Current projects include the development of multimodal algorithms for biomedicine and seizure prediction using wearable sensors, in collaboration with leading institutes in Germany and internationally. For more information, please visit: http://sst.upb.de/research

Recruitment requirements:

- A Bachelor's and Master's degree (or equivalent) in electrical engineering, computer engineering, or a closely related field from a recognized university with strong academic performance
- Knowledge of statistical signal processing and machine learning
- Practical experience working with biomedical and clinical datasets
- Proficiency in Python and familiarity with TensorFlow or similar machine learning frameworks
- Demonstrated ability to think creatively, analytically, and enjoy solving challenging problems
- Fluency in English, especially for participating in teaching activities

We offer:

- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and development
- Additional benefits in accordance with the collective agreement of the federal states (TV-L), such as annual bonuses and capital-forming benefits as well as the VBL supplementary pension scheme

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application documents (including a cover letter, your CV, diplomas and transcripts) to Dr.-Ing. Tanuj Hasija by email: bewerbung@sst.upb.de using the **Ref. No. 7364 until 14th of August 2026.**

Information regarding the processing of your personal data can be located at:
https://www.uni-paderborn.de/en/zv/personaldatenschutz.

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HR EXCELLENCE IN RESEARCH

TOTAL E-QUALITY DIVERSITY

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