UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. 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 more than 2,500 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The faculty of Computer Science, Electrical Engineering and Mathematics, the Institute of Electrical Engineering offers a

PhD position (f/m/d)
(the salary is according to 13 TV-L)

This is a full-time position available from July 1st, 2021. It is limited until 30th of June 2025 and related to the Transregional Collaborative Research Center 318 "Constructing Explainability", which is a cooperation between Paderborn and Bielefeld University. Within this collaboration, scientific work will focus on the development of co-constructing explaining AI-systems. The vacant position is in project C06 on "Technically enabled explaining of speaker traits" with the Department of Communications Engineering at Paderborn University. The project is concerned with research related to deep generative modeling of speech signals. The candidate is expected to contribute to the development of explainable artificial systems and to conduct innovative research on this topic aiming at publications on leading international conferences. The position is a perfect fit for a person interested in teamwork and research in an international group and at the same time passionate about exchanging across disciplines.

Responsibilities
- research on signal processing and machine learning for speech signals, contributing to the development of deep generative models for disentangling speech within the individual project C06;
- participation in activities of the Integrated Research Training Group;
- networking within the Transregional Collaborative Research Center;
- interdisciplinary communication and cooperation.

Essential Qualifications:
- Master's degree in electrical engineering, computer science or a related discipline with very good grades,
- experience in machine learning, in particular deep learning techniques,
- very good programming skills (Python),
- very good English skills.

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is, in principle, 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, including cover letter, your CV, certificates, and other accompanying documents via email **(reference 4707)** to haeb@nt.uni-paderborn.de:

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

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