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 2,600 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!

In the Faculty of Computer Science, Electrical Engineering and Mathematics, the Head of “Responsible AI for Biometrics” offers a full-time

**PhD Position (f/m/d) On Responsible Machine Learning with Biometric Data**  
*(pay scale E13 TV-L)*

Biometric systems, such as face recognition, are used worldwide and have a growing effect on everybody’s daily life. The success of these systems is mainly driven by advances in deep learning. However, this success currently comes at the cost of major discriminatory factors such as fairness, privacy, uncertainty, and explainability concerns. Our research group aims to address these concerns, and thus the societal needs, to make the next generation of biometric systems secure and trustworthy.

The initial contract is for three years but is limited to the duration of the PhD-project. An extension to finish the PhD is possible in accordance with the rules of the Academic Fixed-Term Contract Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

**Your duties and responsibilities:**

- Conduct research in Responsible Machine Learning with Biometric Data.  
  Possible topics: Explainability, Fairness/Bias, Uncertainty, Privacy  
- Take part in teaching (approx. 4h/week)

**Your profile:**

- Master degree in computer science or a related field  
- Knowledge in machine learning, especially deep learning  
- Analytical and problem-solving skills  
- Highly motivated to do research  
- Good writing and communication skills in English

**We provide:**

- Remuneration salary group E 13 TV-L (full-time)  
- The chance to participate in reputable conferences all over the world  
- Open communication culture and agile workflows  
- Work on highly relevant state-of-the-art research topics and technologies  
- A family-friendly and flexible workplace with the opportunity for telework  
- Personnel development through further training opportunities  
- A supplementary employer pension scheme (VBL)

Applications from women are expressly welcome and will be given preference in accordance with the LGG in the event of equal suitability, qualifications, and professional performance unless reasons relating to the person of a competitor prevail. Part-time employment is generally possible. The application of suitable severely disabled persons and persons with equal rights within the meaning of Book IX of the German Social Law (SGB IX) is also welcome.

Interested applicants should send a short statement of research interest (1-2 pages), a curriculum vitae, scanned transcripts and diplomas, letters of recommendation (if any), and copies of relevant scientific papers (e.g., thesis). Please send your application as one PDF document using the **reference number 5546** to Dr.-Ing. Philipp Terhörst, preferably by email: philipp.terhoerst@upb.de. The **application deadline is 30.11.2022**.

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

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