HOCHSCHULE OSNABRÜCK
UNIVERSITY OF APPLIED SCIENCES

Welcome to Osnabrück University of Applied Sciences, the largest University of Applied Sciences in the German state of Lower Saxony. In addition to offering around 100 practice-oriented study programmes in three locations, we have an impressive teaching and research record, and provide excellent opportunities for personal development. Our students value the academic and professional expertise of our faculty, our international networks, and our modern university management. To fulfil our mission, we are looking for individuals with innovative ideas and life-long curiosity.

Osnabrück University of Applied Sciences, Faculty of Engineering and Computer Science, invites applications for the position of

RESEARCH ASSISTANT (M/F/D)

FOR THE „INTELLIGENT INTERMODAL COMMUTER TRAFFIC – IIP" COMPETENCE CLUSTER

subject to funding approval, to start as soon as possible.

The competence cluster focuses on optimising intermodal mobility networks in which people use different modes of transport on one route. To achieve this, sensors and crowdsensing will be used to anonymously record and merge mobility flows in order to predict future commuter flows using AI. In particular, the aim is to investigate how different levels and methods of anonymisation can be used to ensure sufficient accuracy and privacy protection. The project is funded by the German Federal Ministry of Education and Research (BMBF).

The independent, scientific processing of the data will, in particular, involve the following tasks:
- Exploration and testing of different AI methods for processing anonymised data
- Development of methods for the data protection-compliant provision and merging of data to or from different sources/organisations with different rights
- Implementation of a modular set of different AI and ML methods, and integration into a demonstrator for recording and forecasting commuter flows; evaluation of the methods
- Preparation of research results, also in the form of scientific articles, reports and presentations, primarily in English
- Preparation of research proposals

Conditions governing the appointment:
- Successful completion of a scientific degree focusing on computer science, AI or ML
- The ability to work independently on complex scientific issues
- A good command of English
- Proven experience in AI or ML
- A high degree of independence, good communication skills and the ability to work in a team

The position involves part-time employment (50%) and is for a fixed term until 14 November 2025. Remuneration is in accordance with pay grade 13 of the Public Sector Collective Agreement for the Federal States (TV-L). There is the option of pursuing a cooperative doctorate. For more information, please contact Professor Dr. Julius Schöning (j.schoening@hs-osnabrueck.de). Osnabrück University of Applied Sciences reserves the right to conduct the selection interviews in person or online.

We look forward to welcoming a motivated individual who is keen to contribute to the continual development of our university. Exciting tasks, active students and dedicated colleagues are waiting for you!

This may also be of interest:

Osnabrück University of Applied Sciences is an equal opportunity employer, and promotes women as far as the legal framework allows. Our university promotes a healthy work-life balance by offering arrangements such as very flexible working time models. Applications by candidates with disabilities will be given preference in case of equal qualification.

For information on the processing of personal data, please refer to this link: https://www.hs-osnabrueck.de/stellenangebote

Please send your application with the usual documents - (if submitting your application by email, please send a single PDF file only) – stating the reference number lul 89-2022 to the following address by 13 December 2022:

Präsident der Hochschule Osnabrück
Postfach 1940, 49009 Osnabrück
Personalmanagement@hs-osnabrueck.de
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