

"Education is the key to the world" is the motto of the **Frankfurt University of Applied Sciences (Frankfurt UAS)**. Internationality, diversity and social responsibility are our values. Our institution is a place of lifelong learning as well as an innovative development partner of the region. Our more than 15,500 students and 970 employees in teaching, research and central administration are responsible of it.

Faculty 2: Computer Science and Engineering is looking to fill the following position as soon as possible and for a period of three years in the research group Industrial Data Science (INDAS):

Research associate in the research project "INDAS" PhD position on sensor data analysis in the context of Industry 4.0

(Part-time 50% = 20 hours/week)
Reference no. 050/2022

The research group Industrial Data Science (INDAS) conducts interdisciplinary research with researchers from mechanical engineering and computer science on practical issues from the field of Industry 4.0 using primarily machine learning methods. We work closely with partners from the industry. The machine learning methods include supervised (deep) learning in particular for time series. We work closely with research groups, such as Internet of Things and Human Activity Recognition, that also analyse sensor data.

Responsibilities:

Participation in an innovative research project in an interdisciplinary, English-speaking team with attractive industrial partners;
active independent research on machine learning processes for the analysis of sensor data in the context of Industry 4.0;
collaboration in the development of a suitable hardware and software environment;
publications in German and English;
presentations at international conferences;
teaching of 2 semester hours per week;
supervision of internships and seminars as well as supervision of Bachelor's and Master's students;
opportunity for scientific exchange and stay in Cádiz through cooperative doctoral studies at the Universidad de Cádiz at the Departamento de Ingeniería Informática, Escuela Superior de Ingeniería (Spanish not required).

Qualification:

Academic master's degree or diploma in computer science or related fields;
knowledge of mathematics (engineering mathematics, statistics, numerics);
sound experience in at least one relevant programming language (e.g. C++, Python);
knowledge of machine learning is an advantage (PyTorch, Tensorflow, etc.);
conceptual and analytical skills as well as goal-oriented action;
ability to write scientific publications;
good German and English skills;
experience in supervising students is a plus;
confident appearance, independent and responsible work as well as commitment and the ability to work in a team;
flexibility and a pronounced willingness for relevant further education.

We offer:

Interesting, creative tasks in a dynamic and varied working environment;
good training and regular feedback as well as an open and friendly working atmosphere;
attractive further training and development opportunities;
adequate wages (annual bonus) as well as other attractive social benefits (trust-based working hours,
Landesticket Hessen, pension scheme (VBL), saving schemes);
a secure job at the service of the state of Hesse offering a work-life balance;
an extensive range of social, cultural and sport activities within the university.

The salary is defined according to the **German E13 TV Hessen scale**.

The position is open to all persons, irrespective of gender. The Frankfurt University of Applied Sciences would like to increase the proportion of women in areas in which they are underrepresented and thus applications from women are particularly welcome and will be treated with priority if they have the same qualifications and as long as there are no clear reasons which make a fellow applicant more suitable. Applicants with disabilities will be employed preferentially if equally qualified. As a holder of the "Family-friendly university" certificate, the university takes into account each individual family situation when organising working hours.

We place great importance on protecting your personal data. Therefore, we inform you in accordance with the relevant data protection regulations about the collection, processing and use of your data in the context of your application. You can find further information on the general data protection regulations of the Frankfurt UAS at (only available in German):
<https://www.frankfurt-university.de/index.php?id=5184>

Do you have any questions regarding this vacancy?

Please contact Prof. Dr. Jörg Schäfer,
(E-Mail: jschaefer@fb2.fra-uas.de; Tel.: +49 69 1533-3679).

Applications comprising all usual documents (**one PDF file**) must be sent with **reference to the job advertisement number by 29.05.2022** via email to bewerbungen@hr.fra-uas.de or via post (please send only **copies** of the documents, since they cannot be returned) to:

**Frankfurt University of Applied Sciences,
Human Resources,
Nibelungenplatz 1, 60318 Frankfurt.
www.frankfurt-university.de**