At the Hochschule Darmstadt –
University of Applied Sciences,
Department of Computer Science,
the following position is to be filled starting 01 Oct. 2023:

Full Professor

Subject area: **Artificial Intelligence for Smart Cities
and Foundations of Computer Science**
Salary grade: W 2 HBesG (civil servant)
Reference number: I 05/23-P

We, the Hochschule Darmstadt – University of Applied Sciences (h_da), are one of the five largest universities of applied sciences in Germany, located in the heart of the Rhine-Main-Neckar metropolitan region. More than 15,000 students study at bachelor's, master's and doctoral level in 12 faculties. We offer a large range of disciplines integrating inter- and transdisciplinarity in teaching and research. As a member of the European University of Technology + Alliance (EUt+), we are working towards the vision of a European university that offers novel, excellent study programmes, carries out European research and transfer work and represents European values globally. Sustainable development is a strategically important goal for us that is implemented in teaching, research, transfer and the operation of our university.

The Hessian Centre for Artificial Intelligence (hessian.AI), which is supported by 13 Hessian universities of different types, combines the existing strengths in Hessian AI research. Hochschule Darmstadt is a founding member of hessian.AI. The goal of hessian.AI is to provide excellent research with practical relevance for answers to important challenges of our time combined with the transfer to the economy and society. The state of Hesse is providing 38 million euros for the five-year start-up phase and is establishing additional professorships such as the one advertised here.

Prerequisites:
- Profound knowledge and practical experience in the field of AI – preferably related to smart cities – for example in the following areas and application domains:
    - Machine learning, e.g. for energy optimisation

- Data mining, e.g. for learning from the data sets of citizens and offices
- Knowledge-based AI, e.g. Knowledge Graphs for citizen services
- Natural Language Processing, e.g. for social media analysis
- Computer Vision, e.g. for analysing satellite images
- Smart Mobility, e.g. for autonomous driving, traffic flow and parking space optimisation
- Time Series Forecasting / Anomaly Detection, e.g. for energy consumption forecasting

- Research experience, to be shown in a personal research profile with relevant publications as well as activities envisaged in the case of appointment
- Fluent in English (comparable to C1 level, to be proven in the context of the appointment lecture) and at least basic German skills (comparable to A2 level, to be proven in the context of the interview)
- Gender and diversity competence

Advantageous:
- Practical teaching experience

Duties:
- Active participation in the research bodies of Hochschule Darmstadt (e.g. Research Centre for Applied Computer Science), as well as supervision of doctoral students. Darmstadt University of Applied Sciences has the authority to award doctorates via the inter-university Doctoral Centre for Applied Computer Science
- Implementation of research and/or practical projects as well as acquisition and implementation of projects funded by third parties
- Active collaboration in research activities of hessian.AI, as well as in the centre's own teaching, further education and transfer formats
- Transfer of research results in cooperation with regional partners such as Digitalstadt Darmstadt and the start-up centres HUB31 and TechQuartier
- Taking on courses in the various programmes of the Computer Science department as well as hessian.AI in the form of classroom and online teaching formats, also in English. If necessary, courses in computer science foundations are also to be offered at other university departments

Also expected:
- Continuing education in university didactics
- Professional cooperation in the university network "European University of Technology + (EUt+)", of which Hochschule Darmstadt is a member
- Active participation in the self-administration of the department and the university

The chair of the appointment committee, Prof. Dr. Bernhard Humm (bernhard.humm@h-da.de), will be happy to provide further details of the advertised professorship on request.

The duties, the requirements for appointment and the modalities of appointment for a professorship result from §§ 67 and 68 as well as 75 and 76 of the Hessian Higher Education Act.

As a signatory of the Diversity Charter, an appreciative working environment for all employees regardless of origin and ethnicity, gender, age, sexual identity, disability, religion, world view and social background is most important to us.

We have been awarded the seal of quality "Familienfreundliche Hochschule Land Hessen" (Family-friendly university, State of Hesse) by the Hessian Ministry of the Interior and for Sport.

We carry out a culturally fair selection process as part of diversity-conscious recruitment. Our aim is to remedy the under-representation of women within the scope of our Women's Promotion and Equality Plan, so we are particularly interested in applications from women. We also promote the employment of disabled applicants, who are given priority if they have the same qualifications.

As an employee of Hochschule Darmstadt, you currently have the option of free use of local public transport throughout the state (Hessian state ticket).

Please send your application proving the prerequisites, the ability to carry out independent academic work, the pedagogical aptitude and the special achievements in practice together with a list of relevant publications and the lectures held, quoting the **above-mentioned reference number, by 15.04.2023 in electronic form to:**
berufungen@h-da.de
(Attachment in one pdf file, max. 30 MB)