

With over 15,000 students and 1,000 lecturers, researchers and employees in the heart of Frankfurt am Main, we are one of the largest universities of applied sciences (HAW) in Germany. Our mission is to support students on their way to becoming responsible designers of the future. We consistently align our activities with our strategic guiding principles of practical relevance, interdisciplinarity, internationality, sustainability, digitalization and social responsibility. Through excellent teaching and research, we make a decisive contribution to the economy, politics and society in the region and beyond. Together with our partners in the U!REKA University Alliance, we form a European university.

The following **permanent** position is available in our **Department of Computer Science and Engineering** beginning by October 01, 2025:

Professor

„Embedded Systems and Networks“ (m/f/d)

(W2 salary scale HBesG, Hessian Federal Civil Service Remuneration Act)

Job advertisement number P50/2024

Are you passionate about Embedded Systems and secure networks in this domain? Do you have experience with wireless or bus-based networks for embedded or smart systems, sensor networks or networks of technical systems in general? Then we look forward to hearing from you! At our university, you will have the opportunity not only to pass on your knowledge to dedicated students, but also to actively conduct research and thus help shape the future of networked Embedded Systems.

Your tasks:

- You will contribute your experience in the above-mentioned field to the courses of our new Bachelor's degree program "Informatik – Smart Systems" and of other Bachelor's and Master's degree programs in Computer Science and Electrical Engineering in German and English.
- In particular, you represent the subject areas of Embedded Systems, communication networks (fundamentals of IP networks as well as specific networks in the domains of embedded or smart systems) and software programming (in C/C++, among others).
- You supervise our students in their projects, Bachelor's and Master's theses – preferably in cooperation with your practice partners, thus creating valuable connections between academia and industry.
- With your commitment to applied and interdisciplinary research and the acquisition of third-party funding and by designing a new lecture on networks of embedded and smart systems, you will play an active role in shaping the future of your subject area.
- You actively participate in the further development of our department and our university and contribute to its internationalization.

Your profile:

- You have a university degree in computer science, electrical engineering, information technology, or a comparable subject area and can prove your scientific qualification through a doctorate.
- You have at least 5 years of professional experience, including at least 3 years outside the university sector, or can provide evidence of additional academic achievements.

- You have profound knowledge in the development and programming of Embedded Systems as well as in some of the typical network protocols applied in this domain, e.g. ZigBee, Bluetooth (Low Energy), 5G, LPWANs, MQTT, or industrial bus systems.
- Ideally you also have practical experience in the implementation of according network protocol stacks as well as in the development/programming of networked Embedded Systems in at least one application domain, e.g. Automotive / Industry 4.0 / Internet-of-Things / smart systems / sensor networks / or industrial distributed systems.
- You can provide evidence of teaching experience, e.g. through teaching assignments, experience in education, or didactic training courses.
- You are committed, team-oriented and enjoy internationally networked thinking and acting as well as interdisciplinary, diversity-sensitive work in teaching and research.

You will be asked to present a teaching and research concept that meets the requirements of the position and the department once you are invited to the trial lecture. Further information on what makes a professorship with us so exciting, what requirements you need to fulfill, and what application documents you need can be found at: www.frankfurt-university.de/karriere-prof.

For any inquiries, please feel free to contact the Chair of the Appointment Committee, Professor Heiko Hinkelmann, via email at hinkelmann@fb2.fra-uas.de.

Our offer

- we promote the compatibility of family and career through self-determined work with a large amount of freedom in terms of content and time as well as our activities within the framework of the “audit family-friendly university” certificate
- structured onboarding by the department's “Professorship” service team and our university didactics week
- the university's own AI cluster for current research and development
- the possibility of admission to our doctoral center “Applied Computer Science” PZAI with independent doctoral rights in case of special research strength
- internationally oriented environment to carry out joint teaching and research projects
- support in the preparation of your national and international research proposals by our “Research, Innovation and Transfer - FIT” department
- free Hessen state ticket and good transport links (public transport, underground parking), bicycle-friendly facilities (including bicycle parking spaces, service stations and service pedelegs)
- a lively campus in the heart of Europe with an extensive sports and events program

The position is open-ended. When first appointed to a professorship, employment is initially in a probationary civil servant relationship or in a permanent employment relationship with a three-year probationary period. Further employment requirements and duties are set out in sections 67 - 69, 75 and 76 of the Hessian Higher Education Act (available at www.hmwk.hessen.de).

We are actively committed to equal opportunities, diversity and inclusion. We expressly welcome applications from people with a history of migration and attach great importance to family-friendly working hours. Persons with a severe disability or equivalent will be given preferential consideration if they have the same qualifications. Our university is also committed to increasing the proportion of women employed in STEM professions and therefore strongly encourages women to apply.

Have we convinced you? Then please send your application with the usual informative documents (incl. certificate evaluation (<https://www.frankfurt-university.de/en/about-us/karriere/international-applications/>), list of publications, projects, presentation of previous teaching and research activities) **by December 19, 2024**, stating the reference number, by e-mail to **info-prof@hr.fra-uas.de** (please send all documents in one PDF file):

To the President of the
Frankfurt University of Applied Sciences
Human Resources and Personnel Development
Nibelungenplatz 1, 60318 Frankfurt
www.frankfurt-university.de