Call for applications

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

The Faculty of Engineering at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) invites applications for up to

four W1 Professorships for Computer Science (Digital Health)
(Assistant Professor)

at the Department of Computer Science. The professorships are to be filled by the earliest possible starting date for an initial period of three years. Upon successful evaluation, the appointment will be extended for another three years.

We seek to appoint top early career scientists who will develop outstanding expertise in the field and that have research and teaching experience in one or several of the following areas of digital health:
- Ultra-low-power architectures for medical engineering
- Ubiquitous, wearable and implantable sensors and systems for medicine (eHealth/mHealth)
- Human-computer interaction in medicine
- Medical data and knowledge management
- Scalable and semantic data integration in healthcare
- Ontologies and ontology-based data access in medicine
- Privacy and (long-term) security in digital health
- Medical imaging informatics
- (Explainable) Artificial Intelligence in healthcare
- Bioinformatics (-omics applications)
- Medical big data analytics
- Process mining in healthcare
- Precision medicine, medical decision support systems
- P4 (Predictive, Preventive, Personalized, and Participatory) medicine
- Connected healthcare, telemedicine and patient empowerment in health care
- Digital diagnostics and therapeutics

Your responsibilities will also entail setting up and leading an independent research group in the Department of Computer Science. You will be required to make a contribution to the degree programmes in computer science and medical engineering. Two of the four professorships are endowed professorships of Siemens Healthcare GmbH. For these professorships, it would be advantageous if applicants want to be involved in industry-related application research, especially at the organisation funding the professorship. The remaining two professorships will be funded by FAU. Please indicate in your application whether you are particularly interested in one of the endowed professorships or one of the FAU professorships. If you have no preference, please indicate this as well.

Successful candidates demonstrate initial academic achievements and the capacity for independent research at the highest international standards. You have substantial research experience abroad and/or experience in managing research projects and in raising third-party funding. A university degree and an outstanding doctoral degree as well as a passion for education and pertinent teaching experience are also prerequisites. Candidates who are able and willing to teach in English are desired.

FAU expects applicants to become actively involved in administering academic affairs and in developing strategic initiatives. FAU pursues a policy of intense student mentoring and therefore expects its teaching staff to be present during lecture periods.

FAU offers career development, mentoring and an attractive initial research budget. Based on international standards and transparent performance agreements, FAU ensures a fair evaluation process.

In its pursuit of academic excellence, FAU is committed to equality of opportunity and to a proactive and inclusive approach, which supports and encourages all under-represented groups, promotes an inclusive culture and values diversity. FAU is a family-friendly employer and is also responsive to the needs of dual career couples.

Please submit your complete application documents (CV, list of publications, list of lectures and courses taught, copies of certificates and degrees, list of third-party funding) online at https://berufungen.fau.de by DD.MM.2019, addressed to the Dean of the Faculty of Engineering. Please contact tf-dekanat@fau.de with any questions.