Otto-Friedrich-Universität Bamberg

As part of the **Hightech Agenda Bayern**, the University of Bamberg is going to fill seven professorships within the *Säule KI* and twelve professorships within the *Säule Hochschulreform* in the Faculty of Information Systems & Applied Computer Sciences.

Therefore, the Faculty invites applications for the position of

Full Professor (m/f/d)
W3 salary level of

Algorithms and Complexity Theory

as tenured civil servant to be filled at the next possible date.

The successful candidate will represent the field of Algorithms and Complexity Theory in research and teaching with a focus on algorithms and complexity theory for distributed and concurrent software systems as well for the acquisition, processing and visualisation of data in networked systems in the widest sense.

The applicant should have made excellent contributions in one or more of the following research areas: Distributed or parallel algorithms, automated deduction, combinatorial optimisation, randomised or approximate algorithms, parameterised algorithms, sublinear-time algorithms, algebraic complexity theory, online algorithms, quantum algorithms.

We are looking for applicants who have demonstrated outstanding scientific achievements and have acquired an internationally recognised research standing. The applicant's excellence in algorithms and complexity theory is ideally complemented by research contributions in one or more thematic application domains, such as distributed and concurrent systems, cryptography, data engineering, software construction and validation, image and language processing, computer graphics and visualisation. The focus areas of the professorship to be filled should adequately complement those of the existing Faculty professorships in computer science, applied computer sciences and information systems and offer synergies with these research fields.

The holder of the position is expected to contribute to the teaching offered in the Faculty's bachelor and master degree programmes, particularly the BSc Informatik: Software Systems Science and MSc International Software Systems Science. The candidate is expected to be capable and willing to contribute to the teaching of foundational mathematical courses, specifically such as Discrete Mathematics for Computer Science. The successful candidate is also expected to be involved in contributing to the expansion of the degree programmes, to duties in the area of academic self-government, to the acquisition of third-party funds, and to international exchange programmes.

The relevant qualifications consist of a completed academic degree, pedagogical aptitude, a particular talent for academic work generally substantiated by the quality of a doctorate, and, in addition to this, further academic achievements. Additional academic credentials must be certified by a habilitation or equivalent academic qualification, which may also have been obtained through activities outside of higher education or within the scope of an assistant professorship.

Concerning tenured positions as a civil servant ("Beamtenverhältnis"), the candidate must be under the age of 52 years at the time of appointment (for exceptional cases see Art. 10 Abs. 3 Satz 2 BayHSchPG).

The Faculty is an equal opportunity employer and encourages applications from female candidates. Where candidates are otherwise equally qualified, preference will be given to candidates with disabilities.

The University of Bamberg has been certified by the Hertie Foundation as a family-friendly university and is committed to taking measures to help reconcile work and family life. The university is committed to promoting gender equality in the workplace.

The University of Bamberg is a member of the regional Dual Career Network (DCNN) and provides support for the spouses or partners of newly appointed staff. More information can be found at http://www.dualcareer-nordbayern.de.

Applications from abroad are particularly welcome. Candidates are expected to be able and willing to teach in English. Generally, knowledge of German is a prerequisite for hiring; in individual cases, courses may be delivered in English for the first two years.

Applications including the usual documents (single PDF file: CV, list of publications and courses taught, teaching evaluation, copies of academic transcripts and certificates) are to be submitted in either German or English, and in electronic form, to the Dean of the Faculty of Information Systems and Applied Computer Sciences, Otto-Friedrich-Universität Bamberg, 96045 Bamberg (bewerbungen.wiai@uni-bamberg.de) no later than **June 18th, 2021.**