W3 Professorship for Methods for Big Data

Job description: The objective of the new professorship is to do research on the fundamentals of generic methods for extracting knowledge from large data sets / Big Data. Accordingly, the focus is on research and development of scalable algorithms, methods and tools at the interface between informatics and mathematics/statistics. At the same time, interdisciplinary collaboration with natural science or engineering application areas, preferably climate research or materials science, is expected so that the developed approaches can be applied practically.

As a group leader at SCC, the professorship is integrated into the Helmholtz program "Engineering Digital Futures" and works closely with the Simulation and Data Labs (SDLs) at SCC. The environment at KIT offers a wide range of cooperation opportunities, especially in algorithm engineering, AI, data intensive computing, or high performance computing.

The professorship participates in teaching for the study programs of the KIT Department of Informatics via its additional membership in the Institute for Program Structures and Data Organization (IPD). The teaching load is two hours per week.

Qualification: Necessary prerequisites for employment are outstanding, internationally visible scientific achievements, for example in the context of an excellent doctorate and in subsequent scientific activities, as well as a didactic aptitude. In all other respects, the hiring requirements are based on § 47 LHG (Act of Baden-Württemberg on Universities and Colleges) in conjunction with § 20 KITG (KIT-Act) in the version applicable until the legal validity of the 2. KIT-Weiterentwicklungsgesetz (2nd KIT Further Development Act).

Institute: Steinbuch Centre for Computing (SCC) / KIT Department of Informatics / Division 2

Contract duration: Unlimited

The appointment is made in the leave of absence model in accordance with §15 (2) KITG (KIT-Act) in the version applicable until the legal validity of the 2. KIT-Weiterentwicklungsgesetz (2nd KIT Further Development Act).

Starting date: As soon as possible.

Application up to: 16.01.2022

Application: Applications with the required documents (curriculum vitae, degree certificates as well as a list of publications) and a perspective paper
(maximum of three pages) on the planned research and teaching activities and possible cooperation at KIT should be sent by e-mail, collated in a single PDF document, to dekanat@informatik.kit.edu by 16.01.2022. Information, including on the application requirements for the professorship, can be obtained from Prof. Bernhard Beckert, email: beckert@kit.edu.

KIT is an equal opportunity employer. Women are especially encouraged to apply. Recognized severely disabled persons will be preferred if they are equally qualified.

The processing of personal data by the Karlsruhe Institute of Technology (KIT) is carried out according to the Privacy Policy.

The KIT is certified as a family-friendly university and offers part-time employment, leaves of absence, a Dual Career Service and coaching to actively promote work-life-balance.