Tenure Track Professorship (W1) for Applied AI Engineering

Job description:

The focus of this professorship is research on applied AI methods. The successful applicant should have a scientific background in at least one of the following topics:

- Scalable and parallel AI methods and algorithms
- Optimization of AI methods and algorithms in scientific and engineering applications
- Methods for the efficient use of distributed and parallel high-performance systems (GPUs, TPUs, quantum computers, etc.) for AI applications

Experience with interdisciplinary AI applications and the generalization of AI methods from within a scientific and engineering application area is desired.

The professorship is tightly integrated into the Helmholtz AI Platform and is therefore also responsible for AI consulting tasks (research support for tools/methods) in all Helmholtz research fields (primarily in the Helmholtz Research Field Energy), so experience in research in the Helmholtz Association is desirable. Furthermore, KIT offers numerous links to existing research in the field of artificial intelligence; and KIT provides opportunities for cooperation in a broadway spectrum of application areas.

The professorship contributes to an appropriate extent to the teaching of the KIT Department of Informatics both for the German-language mandatory courses as well as in the elective area. This requires the willingness to learn the German language if necessary. The professorship is associated with a teaching obligation of 4 hours before and 6 hours after the interim evaluation. You will actively shape your research at KIT and your own further development and will independently supervise doctoral candidates and students. In doing so, you will combine a cooperative working method with strong communication skills.

Qualification:

Outstanding scientific achievements are required, for example those achieved in the context of an excellent doctorate. Experience in teaching and in the acquisition of third-party funds is also an advantage. According to § 51 of the Universities Act (Landeshochschulgesetz) of the state of Baden-Württemberg hiring requirements include a university degree, teaching competence, and outstanding scientific competence. The evaluation criteria are according to the "Qualitätssicherungskonzept für Juniorprofessuren mit Tenure-Track am Karlsruher Institut für Technologie". In addition, the evaluation pays special attention to the commitment to the Helmholtz program. An accompanying procedure at KIT is offered for a predictable scientific career development.

Institute:	Steinbuch Centre for Computing (SCC) / KIT Department of Informatics
Contract duration:	Employment will initially be for a period of six years as a temporary civil servant or as an employee (according to "Beurlaubungsmodell" §15 (2) KITG). An interim evaluation is carried out in the third year of service. If the final tenure evaluation is positive, the successful candidate will be promoted to the rank of tenured full professor (W3) in accordance with §15 (2) KITG.
Starting date:	As soon as possible
Application up to:	11th October 2020
Contact person in line-management:	For enquiries regarding this specific position please contact Professor Dr. Bernhard Beckert, e-mail: beckert@kit.edu.
Application:	Applications with the usual documents (curriculum vitae, credentials, academic career and list of publications) and a perspective paper (maximum of three pages) should be sent by e-mail, preferably compiled into a single PDF document, to dekanat@informatik.kit.edu by 11.10.2020. KIT is an equal opportunity employer. Women are especially encouraged to apply. Applicants with disabilities will be preferentially considered if equally qualified. KIT is a certified family-friendly university and offers part-time employment, leave of absence due to family reasons, dual-career service and coaching to support the compatibility of work and family life.

Karlsruher Institute of
Technology
Personalservice