Tenure Track Professorship for in AI Methods in IT Security / IT Security of AI-based Systems (W1)

Job description:

The professorship will be dedicated to the combination of artificial intelligence and IT security. We seek a broad range of applicants with experience and focus in at least one of the following domains:

- AI methods that improve the security of IT systems
- IT security methods for AI-based systems

KIT has research competence in various fields of IT security and artificial intelligence. In particular, the candidate is planned to be affiliated with the Competence Center for Applied Security Technology (KASTEL) as well as IT security research at KIT within the framework of the Helmholtz Association. In addition, it is expected that the candidate strengthens a strategic focus of secure and dependable systems at the Faculty of Informatics.

The new professor is expected to teach courses in the core curriculum of the department of Informatics, in both mandatory and elective areas. During the first three years, the teaching can be performed in English language.

The candidate is expected to actively shape research at KIT, to advance the personal development of her/himself and independently supervise doctoral researchers as well as graduate and undergraduate students. The new professor shall successfully combine collaborative work attitude with strong communication skills.

Qualification:

According to § 51 of the Baden-Wuerttemberg University Act (Landeshochschulgesetz des Landes Baden-Württemberg), a university degree, teaching aptitude and exceptional competence in scientific work are required. The evaluation process and the evaluation criteria are according to the principles outlined in the KIT document „Qualitätssicherungskonzept für Juniorprofessuren und Tenure-Track-Professuren am Karlsruher Institut für Technologie (KIT)“. In particular, a special emphasis is put on publications in highly ranked international venues, very good teaching achievements, academic commitment, and the willingness to conduct interdisciplinary cooperative research in coordinated research alliances. For career development, an accompanying procedure and proper mentoring are offered.

Institute:

Division II - Informatics, Economics, and Society, Department of Informatics, Institute of Theoretical Informatics (ITI)
**Contract duration:** The initial appointment is for six years as a temporary civil servant or as an employee. 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 a tenured full professorship (W3) in accordance with §15 (2) KITG.

**Starting date:** as soon as possible

**Application up to:** 15.03.2019

**Contact person in line-management:** For specific enquiries regarding this position please contact Prof. Dr. Bernhard Beckert, email: bernhard.beckert@kit.edu.

**Application:** Applications with the required documents (curriculum vitae, degree certificates as well as a list of publications) and a perspective paper that takes the above-mentioned challenge into account (maximum of two pages) should be sent by email, preferably compiled into a single PDF document, to dekanat@informatik.kit.edu.

KIT is an equal opportunity employer. Women are especially encouraged to apply. Applicants with disabilities will be preferentially considered if equally qualified.