Assistant Professor (Tenure Track) in AI Methods in Materials Science (W1)

Job description:

The successful candidate will build a strong research program to develop AI methods. The candidate is expected to bridge the gap between method-oriented research in computer science and the materials science. For this reason, the application of AI research to grand research problems in materials science is of particular interest. This particular interdisciplinary research topic has not been well developed. We therefore seek a broad range of interested applicants with different backgrounds and it is not expected that they already have experience in both fields. However, a critical requirement is the applicant’s willingness to take up this interdisciplinary challenge.

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 offered courses are also intended to provide students from other departments with knowledge and skills from the subject area of the professorship, for example in Materials Science and Materials Engineering study programs.

The candidate is expected to actively shape research at KIT, to advance the personal development of himself (m/f/d) 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: 10.03.2019

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 e-mail, 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.

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