Tenure Track Professorship for Energy System Modelling (W1)

Job description: The main focus of this professorship is on new algorithms and methods for modelling and optimizing cross-sector energy systems, considering the interactions between energy grids, energy storage systems and energy converters as well as data sets from weather and load analyses in the national and international setting.

Participation in undergraduate teaching of basic courses in computer science in the German language as well as in the elective courses is expected, especially in the field of energy informatics. The professorship is associated with a teaching obligation of 4 teaching hours before and 6 teaching hours after the interim evaluation. 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: In addition to outstanding scientific achievements, such as those achieved as part of an excellent dissertation, the successful acquisition of an externally evaluated junior research group is a prerequisite.

Additionally, 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 addition, the evaluation puts special emphasis on commitment to the Helmholtz program. The above-mentioned subject-specific criteria are of particular importance for the midterm and the final evaluation. For career development, an accompanying procedure and proper mentoring are offered.

Institute: Division III - "Mechanical and Electrical Engineering", the Institute for Applied Computer Science (IAI) and the 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: April 14th, 2020
Application: Applications with the required documents (curriculum vitae, degree certificates as well as a list of publications) and a perspective paper (maximum of two pages) should be sent by e-mail, preferably compiled into a single PDF document, to dekanat@informatik.kit.edu by 14.04.2020.

For specific enquiries regarding this position please contact Prof. Dr. Ralf Reussner, e-mail: ralf.reussner@kit.edu.

KIT wishes to increase the proportion of female professors and, hence, strongly encourages qualified women to apply. Handicapped applicants having the same qualification will be preferred.