University Professorship (W3)  
“Complex Systems in Automation and Robotics”

Job description:  
The professorship is intended to strengthen and expand KIT expertise in the field of robotics and automation. Research areas of the professorship are algorithmic and system-theoretical foundations of robotics and automation and their specific applications. Possible research topics are, for example, real-time control and motion planning of robot systems, safety in robotics, safe human-robot cooperation, robotics in process automation, multi-robot systems, software architectures for robotics and automation, AI-supported learning systems in robotics and automation.

In teaching, the professorship will contribute to the education of students of informatics and other engineering courses at KIT, in particular on the topics of robotics and automation, real-time systems, and artificial intelligence. Adequate participation in undergraduate German-language teaching is expected and adequate time to learn German is granted. You will perform university tasks with a teaching obligation of 9 semester hours per week.

The professorship contributes to the "Robotics and Cognitive Systems" focus of the KIT Department of Informatics. It is expected to contribute to the KIT Centers "Information - Systems - Technologies (KCIST)" and "Humans and Technology (MuT)" and to strengthen several initiatives on intelligent robotics and automation that are in the planning stage. Active participation in the academic tasks of the KIT Department of Informatics and in the KIT self-administration in Division II is also expected. The professorship is part of the collegial institute management of the IAR.

Qualification:  
A distinguished scientist with excellent scientific qualifications and an international reputation in his or her field is sought. Skills in the acquisition of third-party funding and the management of scientific working groups are expected, as well as very good didactic skills. Experience in the development of innovations in application fields of robotics and automation, for example with industrial cooperation partners, is advantageous.

Please note the prerequisites for employment according to § 14 (2) of the KIT Act in conjunction with § 47 LHG Baden-Württemberg (Act of Baden-Württemberg on Universities and Colleges).

Institute:  
Institute for Anthropomatics and Robotics (IAR)/ KIT Department of Informatics / Division 2

Contract duration:  
Unlimited

Starting date:  
As soon as possible

Application up to:  
29.10.2023
Application:

Applications with the required documents (curriculum vitae with scientific career and list of publications as well as certificates) and a perspective paper (maximum of three pages) on the planned research and teaching activities as well as possible collaborations at KIT are to be sent by 29.10.2023 compiled in one PDF document by e-mail to Division II (dekanat@informatik.kit.edu). For further information, please contact Professor Dr. Tamim Asfour (asfour@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 a family-friendly university and offers part-time employment, leaves of absence, a Dual Career Service and coaching to actively promote work-life-balance.