Tenure-Track Professorship for Artificial Intelligence for Autonomous Systems (W1)

Job description:

This tenure-track professorship is funded by the "Bund-Länder-Programm zur Förderung des wissenschaftlichen Nachwuchses".

The research area of the professorship is artificial intelligence methods for social assistive robotics. The goal is to develop the degree of autonomy of robots so that their interactions can be adapted to human needs and abilities. Research includes reflection on opportunities and limitations of AI in assistive robotics. In doing so, you build bridges to the Institute for Technology Assessment and Systems Analysis (ITAS) through joint research topics.

Possible research topics include continual learning of personalized human-robot interaction strategies, role allocation in human-robot teams, trustworthiness and explainability of decisions, technical implementation of ethical guidelines in real-world assistive robots, and application-oriented technology assessments of assistive robotics in human-centered applications, for example, in the care domain.

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 successful 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:

A university degree, pedagogical aptitude and special aptitude for scientific work are required as well as an excellent dissertation. At the time of the call for applications, the PhD should not have been completed more than four years ago. It’s advantageous, if you have experience in teaching and in the acquisition of third-party funds and if you are international visible. Employment conditions as outlined in § 51 LHG (Act of Baden-Württemberg on Universities and Colleges) in conjunction with § 20 KITG (KIT-Act) in the version applicable until the legal validity of the 2. KIT-Weiterentwicklungsgesetz (2nd KIT Further Development Act) shall apply as well as the Quality Assurance Concept for Junior Professorships and Tenure-Track Professorships at Karlsruhe Institute of Technology (KIT), which is also followed by the evaluation procedure and the general evaluation criteria. For a plannable scientific career development, an accompanying procedure is offered at KIT.
Institute: Institute of Anthropomatics and Robotics (IAR) / KIT-Department of Informatics / Division II

Contract duration: The employment will initially be for a period of six years as a temporary civil servant or as an employee (according to "Beurlaubungsmodell" § 15 (*) KITG). An interim evaluation takes place in the fourth year of service. In case of a positive final tenure evaluation, the successful candidate will be promoted to the rank of tenured full professorship (W3) with predominant large-scale research tasks according to the KIT Act in the currently applicable Version* at the Institute for Technology Assessment and Systems Analysis (ITAS)

*According to the current legal situation, leave of absence to carry out large-scale research tasks according to § 15 (2) KITG before the 2nd KIT Development Law comes into force.

Starting date: As soon as possible, probably not before summer of 2022.

Application up to: 10.10.2021

Contact person in line-management: Professor Michael Decker / decker@kit.edu

Application: Applications in English language with the required documents (curriculum vitae, degree certificates as well as a list of publications) and a perspective paper (maximum of three pages) should be sent - preferably summarized in a single PDF file and by e-mail - to the Karlsruhe Institute of Technology, Dean's Office of the KIT Department of Informatics, Division 2, Am Fasanengarten 5, D-76131 Karlsruhe, dekanat@informatik.kit.edu by October 10, 2021. For further information, please contact Professor Dr. Michael Decker, E-Mail: decker@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.

Karlsruhe Institute of Technology Personnel Service

The KIT is certified as a family-friendly university and offers part-time employment, leaves of absence, a Dual Career Service and coaching to actively promote work-life-balance.