W3-Professorship for Industrial Information Technology

**Job description:**
We are looking for a person, who is to represent in research, academic education, and innovation the field of industrial information technology with the areas of systems theory and signal processing.

Applicants should be experienced and have a high reputation in several of the following areas:

- Theory and methods of signal and image processing (among others, time-frequency analysis, machine learning methods);
- systems theory and modeling for signal and image processing in technical systems (e.g. computational imaging, compressed sensing);
- information processing in continuous and discrete-event systems;
- design and analysis of real-time signal processing systems taking into account the aspects of distributed systems and safety-critical applications;
- implementation and application of the technologies mentioned, among others in automation technology, human-machine interaction, medical engineering, and mobility systems.

**Qualification:**
Candidates should have an internationally outstanding scientific qualification, excellent didactic skills, and leadership experience. Experience gained in industry or close-to-industry research as well as in initiating or establishing startups and in the acquisition of third-party funding is desired.

In the area of academic education, candidates are expected to actively participate in existing and newly established German and English study programs offered by the KIT Department of Electrical Engineering and Information Technology as well as in related programs offered by other departments of KIT. Besides courses in the field covered by the professorship, this also includes basic lectures in bachelor’s programs.

Employment conditions as outlined in Article 47, LHG (Act of Baden-Württemberg on Universities and Colleges) in conjunction with § 20 KITG (KIT-Gesetz) shall apply.
Institute: Division III - Mechanical and Electrical Engineering, and Member of the Board of the Institute of Industrial Information Technology (IIIT) at KIT Department of Electrical Engineering and Information Technology.

Contract duration: Permanent

Starting date: Employment is to start at the earliest date possible.

Application up to: April 09th, 2021

Application: Kindly mail your application, including the usual documents (CV, list of publications, graduation and other certificates, teaching evaluations, documentation of previous and planned research and teaching activities) by April 09, 2021 to Professor h.c. Dr.-Ing. Joachim Knebel, Head of Division III – Mechanical and Electrical Engineering, Karlsruhe Institute of Technology (KIT), c/o Dekanat ETIT, Kaiserstr. 12, 76131 Karlsruhe, Germany, via email: dekanat@etit.kit.edu. For a comparative evaluation of applications as part of the appointment procedure, please submit the CV and the research and teaching concept in English.

In case of questions relating to the appointment procedure, contact the Dekanat (Dean’s Office) of the KIT Department of Electrical Engineering and Information Technology by email: dekanat@etit.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 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.

Karlsruhe Institute of Technology
Personnel Service