Professor (W3) for Micro- and Nanoelectronic Systems

Job description: The Professorship (W3) is combined with heading the Institute of Micro- and Nanoelectronic Systems (IMS).

Applicants are to represent the area of state-of-the-art micro- and nanoelectronics in research, academic education, and innovation. They should have vast expertise and high reputation in one or several of the following fields of work of micro- and nanoelectronics beyond today's CMOS technology:

- Novel, e.g. superconducting, components and circuits for future quantum information technologies;
- Highly precise and ultrafast detectors with a resolution near the quantum limit for fundamental research and technical applications;
- Nanoelectronic structures, components, circuits, and associated nanotechnological fabrication methods for future electronics.

Candidates should have internationally outstanding scientific qualification, excellent didactic skills, and leadership experience. Expertise in application-oriented research, in the acquisition of third-party funds, and in technology transfer (e.g. spinoffs) is desired. KIT offers an excellent interdisciplinary environment at the interface of engineering and natural sciences, among others within the KIT Centers of Information – Systems – Technologies (KCIST), Elementary Particle and Astroparticle Physics (KCETA), and Materials. In future, the professor is to participate in the multidisciplinary “Karlsruhe Center for Optics & Photonics” (KCOP) that is presently being established and in the development of its research areas.

In the area of academic education, candidates are expected to actively participate in existing and new 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. Apart from practice-oriented and specialization courses in the area of the professorship, this also includes basic lectures of bachelor's programs.

Qualification: A “Habilitation” degree or equivalent scientific and teaching qualifications are required. The conditions of employment are according to § 47 LHG (Law of Baden-Württemberg on Universities and Colleges).
Institute: Division III – Mechanical and Electrical Engineering, KIT Department of Electrical Engineering and Information Technology, Institute of Micro- and Nanoelectronic Systems (IMS)

Contract duration: permanent

Starting date: As soon as possible

Application up to: September 16, 2019

Application: Kindly send your application, including the usual documents in German or English (CV, list of publications, graduation and other certificates, documentation of previous and planned research and teaching activities) in written and electronic form to the Dekan der KIT-Fakultät für Elektrotechnik und Informationstechnik (Dean of the KIT Department of Electrical Engineering and Information Technology), Karlsruhe Institut für Technologie (KIT), Kaiserstr. 12, 76131 Karlsruhe, Germany, email: dekanat@etit.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.

Karlsruher Institute of Technology
Personalservice

KIT is certified as a family friendly university and provides part time employment, leave of absence due family issues, Dual-Career-Service and coaching or support for reconciling of work and family life.