Head of the Institute for Thermal Energy Technology and Safety ITES
(formerly, Institute for Nuclear and Energy Technologies IKET)

in conjunction with the

W3 Professorship for Thermal Power Plant Technology

Job description: The Institute with about 80 staff members is part of KIT’s Large-scale Research Sector and carries out research and development work in the area of energy conversion by power plant technology within the programme-oriented funding scheme of the Helmholtz Association.

The Head of ITES is responsible for the Institute’s contributions to the energy research programmes of the Helmholtz Association. Active participation in the strategic further development and conception of new research fields as well as in the acquisition of third-party funding is expected.

The future holder of the above position is expected to actively participate in the academic education programs offered by ITES (2 teaching hours per week per semester) on thermal power plant technology, process simulation of thermal energy systems, plant safety, and sector coupling.

Qualification: Applicants should come from science or industry and have outstanding scientific expertise in major areas of thermal power plant technology with a particular focus on the energy transition, be able to lead a big institute, and have excellent teaching skills. A habilitation or equivalent achievements are required, industrial experience is desired. Employment conditions as outlined in Art. 47 LHG (Law of Baden-Württemberg on Universities and Colleges) shall apply.

In addition, candidates should be experienced in and make essential contributions to energy conversion technology in power plants in terms of efficiency, flexibility, resilience, and security of energy supply. Based on the resulting findings, major approaches to the reliable and economically efficient integration of fluctuating renewable energy sources into a future sustainable energy system shall be developed. Research activities of the future Head of Institute are to cover both fundamental theoretical aspects and experimental work at large-scale research infrastructures.

Institute: Division III – Mechanical and Electrical Engineering, KIT Department of Mechanical Engineering, Institute for Thermal Energy Technology and Safety (ITES)

Contract duration: permanent
Starting date: Employment is to start at the earliest date possible (in analogy to the Jülich model specified in Art. 15, par. 2, KIT Act).

Application up to: December 15, 2019

Application: Kindly send your application, including a CV in tabular form, a description of your scientific and professional career, lists of scientific work with the five most important publications being named, your teaching portfolio with a list of courses offered and their evaluations, and information on third-party funds acquired, in written and electronic form to the KIT-Dekan der KIT-Fakultät für Maschinenbau (Dean of the KIT Department of Mechanical Engineering), Professor Dr.-Ing. Carsten Proppe, Karlsruher Institut für Technologie (KIT), Kaiserstraße 12, 76131 Karlsruhe, Germany, email: dekanat@mach.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.