Tenure Track Professorship for Process Intensification in Chemical Engineering through Additive Manufacturing (W1)

Job description: This Junior Professorship (W1) with Tenure Track is funded by the "Bund-Länder-Program for the Promotion of Young Scientists".

Qualification: We are seeking for an outstanding scientist with innovative research ideas in the field of simulation-assisted development of parts and components with tailor-made properties for use in modular chemical plants. You have already shown internationally recognized research contributions to that field. Your scientific background is in engineering or natural sciences, ideally in chemical engineering, technical chemistry, or process engineering. Possible specializations of your group could be in the additive manufacturing of equipment for intensification of chemical and biotechnological processes. Important applications you will pursue in KIT-internal collaborations and with partners from Germany and abroad include the synthesis of renewable synthetic energy carriers and high-value chemicals based on carbon dioxide.

You combine a cooperative and interdisciplinary work approach with strong communication skills. You work together closely with other research groups at the Institute of Mechanical Process Engineering and Mechanics and at the Institute for Micro Process Engineering. In addition, you establish collaborations with other institutes and KIT-Departments, for example with Chemistry and Mechanical Engineering, to further strengthen the research in chemical process engineering at KIT.

You are expected to independently acquire third party funding and teach in German language after a reasonable time. The position comes with appropriate teaching and administrative obligations mainly in the KIT-Department of Chemical and Process Engineering. In addition, you cooperate with the KIT-Departments of Chemical and Biological Sciences and of Mechanical Engineering.

According to § 51 of the Universities Act (Landeshochschulgesetz) of the state of Baden- Württemberg hiring requirements include a university degree, teaching competence, and outstanding scientific competence.

Institute: Division I – Biology, Chemistry and Process Engineering, KIT Department of Chemical and Process Engineering, Institute of Mechanical Process Engineering and Mechanics (MVM)

Contract duration: Employment will initially be for a period of six years. A midterm evaluation takes place in the third year of service. In case of a positive tenure evaluation, you will be appointed to a permanent full professorship (W3) according to §15 Abs. 2 KITG. The evaluation
procedure and criteria are laid down in the "Qualitätssicherungskonzept für Juniorprofessuren mit Tenure-Track am Karlsruher Institut für Technologie" (https://www.sle.kit.edu/amtlicheBekanntmachungen_8853.php). The above-mentioned subject-specific criteria are of particular importance for the midterm and the final evaluation. KIT offers career development procedures and mentoring.

**Starting date:**
As soon as possible

**Application up to:**
January 31, 2020

**Application:**
Applications with the usual resume (including curriculum vitae, summary of teaching experience and third-party funding, research plan and three most important publications) should be sent to the Dean of the Faculty of Chemical and Process Engineering, Karlsruher Institut für Technologie (KIT), Prof. Dr.-Ing. Thomas Kolb, Kaiserstr. 12, D-76131 Karlsruhe, E-Mail: dekanat@ciw.kit.edu. For informal inquiries please contact Prof. Dr.-Ing. Roland Dittmeyer, phone +49 721 608-23114, E-Mail: dittmeyer@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.