W1 Endowed Professorship without Tenure Track for Digital Engineering and Construction

Job description:

The professorship is an important element in positioning the KIT in the area of civil engineering. The area of responsibility includes the representation of the named subject in teaching, research and innovation. It is part of the collegial institute board at the TMB. Furthermore the participation in the academic self-administration as part of the self-conception of the university is among the responsibilities.

In teaching the professorship covers the area of the development and application of digital methods for the engineering and design of buildings, production planning, industrial prefabrication and the production on the site. Through an interdisciplinary approach it shall be ensured that the potentials of digitization in the whole life cycle of buildings are exploited. Focus in research shall be given to following topics:

- Digital methods for modeling, simulation and optimization in project management processes, design and planning processes, prefabrication processes, logistics and construction processes
- Industrialized construction, mass customization and Industry 4.0 in construction
- Building Information Modeling (BIM) in the life cycle of buildings

KIT offers an excellent environment for the outlined activities and best opportunities for exchange among colleagues as well as regarding research infrastructure. The Institute for Technology and Management in Construction (TMB) offers ideal conditions to establish the subject digital engineering and construction with three professorships which cover the life cycle of buildings and with a strong network in the construction and real estate industry.

Qualification:

The candidate should be scientifically active in minimum one of the outlined areas of focus. Ideally the candidate has first working experience in the construction industry. In addition to outstanding scientific achievements, such as those achieved as part of an excellent dissertation. According to § 51 of the Baden-Wuerttemberg University Act (Landeshochschulgesetz des Landes Baden-Württemberg) it is required, that the candidate has a university degree, pedagogic aptitude, demonstrated by experience in teaching, and exceptional competence in scientific work demonstrated by an excellent dissertation.

The conditions of employment are according to § 47 LHG
Institute: Division IV - Natural and Built Environment, Faculty of Civil Engineering, Geo- and Environmental Sciences, Institute for Technology and Management in Construction (TMB)

Contract duration: According to § 51 of the Baden-Wuerttemberg University Act (Landeshochschulgesetz Baden-Württemberg) the initial appointment is for six years as a temporary public servant or as an employee and will be hosted at the Institute for Technology and Management in Construction (TMB). An interim evaluation is carried out in the fourth year of service. The professorship is donated by Goldbeck GmbH.

Starting date: as soon as possible

Application up to: July, 15th 2019

Contact person in line-management: For specific enquiries regarding this position please contact Prof. Dr.-Ing. Stefan Hinz, E-Mail: dekanat@bgu.kit.edu.

Application: Applications (hardcopies and e-mail) as well as the three most important publications (in electronic form only) are to be sent to Karlsruhe Institute of Technology (KIT), Head of appointment committee of the Faculty Civil Engineering, Geo- and Environmental Sciences, Prof. Dr.-Ing. Stefan Hinz, Kaiserstr. 12, 76131 Karlsruhe, Germany, E-Mail: dekanat@bgu.kit.edu.

KIT is an equal opportunity employer. Women are especially encouraged to apply. Applicants with disabilities will be preferentially considered if equally qualified.