

Karlsruhe Institute of Technology (KIT) is a public corporation pursuing the tasks of a State University of Baden-Wuerttemberg and of a national research center of the Helmholtz Association. The KIT mission combines the three strategic lines of activity of research, higher education, and innovation. With about 9,400 employees and 24,500 students, KIT is one of the big institutions of research and higher education in natural sciences and engineering in Europe.

The KIT Department Civil Engineering, Geo- and Environmental Sciences – assigned to Division IV Natural and Built Environment – invites applications for a

W3 Professorship for Geodetic Earth System Sciences

(succession of Prof. Dr.-Ing. Dr. h.c. Bernhard Heck)

to be filled by April 1st, 2018. The position includes the cooperative leadership of the Geodetic Institute.

The professorship for Geodetic Earth System Sciences (formerly Physical and Satellite Geodesy) focuses preferentially on the determination of the Earth's gravity field, the geodetic measurement of deformations of the Earth's surface as well as on the development of models for System Earth from geodetic and geophysical perspectives. Furthermore, the profile of the position is closely linked to the research activities of the internationally renowned Black Forest Observatory (BFO).

We are looking for a person with proven scientific expertise, who excellently represents the Geodetic Earth System Sciences in research and teaching with particular emphasis on modelling aspects. The successful candidate has broad experience in and shall substantially contribute to research fields relevant for this professorship, like analytical and numerical modelling of the gravity field, recent geodynamics as well as innovative satellite-based observation techniques including their fusion with terrestrial methods. It is expected that the research activities are flanked by active acquisition of external funding. The willingness to an interdisciplinary collaboration with KIT institutions – with special focus on BFO – as well as within the national and international community concerning research and teaching is mandatory. A transfer of the developed innovative methods to industry and survey authorities is highly desirable.

The teaching load of the professorship includes courses in the bachelor and master program of Geodesy and Geoinformatics as well as export to other courses of neighbouring KIT-departments, featuring the fields of earth measurement, satellite geodesy, SAR-interferometry, geodynamics and reference systems as well as mathematical geodesy. Particular importance is attached to pedagogical aptitude, didactical skills and open-mindedness for innovations in academic teaching.

Further duties shall entail the leadership of the BFO. Finally, the assumption of tasks in the frame of the cooperative leadership of the Geodetic Institute, academic autonomy as well as the KIT-Competence Portfolio completes the profile.

KIT is pursuing a gender equality policy. We would therefore particularly encourage qualified women to apply. If qualified, handicapped applicants will be preferred. The requirements for employment listed in § 47 Landeshochschulgesetz (LHG) apply.

Candidates are invited to send applications with all pertinent documents concerning the scientific and academic career, including a concise teaching and research concept via surface mail and via e-mail to: Karlsruhe Institute of Technology (KIT), Dean of the KIT Department Civil Engineering, Geo- and Environmental Sciences, Prof. Dr.-Ing. Stefan Hinz, Otto-Ammann-Platz 1, 76131 Karlsruhe, e-mail: dekanat@bgu.kit.edu. The deadline for applications is May 7, 2017.