Karlsruhe Institute of Technology (KIT) – The Research University in the Helmholtz Association creates and imparts knowledge for the society and the environment. It is our goal to make significant contributions to mastering the global challenges in the fields of energy, mobility, and information. For this, about 9,300 employees of KIT cooperate in a broad range of disciplines in research, academic education, and innovation.

In Division II “Computer Science, Economy and Society” the KIT Department of Informatics and the Institute for Theoretical Informatics are seeking to fill, as soon as possible, the position of a

**Tenure Track Professorship (W1) for AI in Climate and Environmental Sciences**

This junior professorship (W1) is funded by the "Bund-Länder-Programm zur Förderung des wissenschaftlichen Nachwuchses".

The tenure-track professorship will conduct methodological AI research with a direct link to climate and environmental sciences. It will have a bridging role between methodological research in computer science and research in climate and environmental sciences. A particular focus should be on climate research. We invite applications from a wide range of backgrounds and do not expect that you are already an expert in both fields, AI and climate sciences. However, we do expect your readiness to take on this interdisciplinary challenge.

KIT offers many different points of contacts to already existing AI research initiatives at the Institute of Theoretical Informatics and a wide variety of research projects at the Institute of Meteorology and Climate Research (IMK) that include comprehensive observational and modelling infrastructures. Method development should be coordinated with the institute part “Atmospheric Trace Gases and Remote Sensing” (IMK-ASF). Here, a comprehensive and growing amount of FAIR managed data exist that can be easily accessed. This enables novel research opportunities along a complete value creation chain from models to observations.

The incumbent will contribute in an appropriate way to the teaching of compulsory and optional courses at the KIT faculty of Informatics. In the first three years teaching can be in English only. The courses relating to the subject area of this professorship and offered by the incumbent should also appeal to students from other KIT faculties and graduate courses, e.g. meteorology. If you have been positively evaluated, the teaching load is 6 semester hours per week, otherwise 4 semester hours per week.

You will actively shape your research at KIT and your own further development and supervise doctoral candidates and students on your own responsibility. You combine a cooperative way of working with excellent communication skills.

A university degree, pedagogical aptitude and special aptitude for scientific work are required. Employment conditions as outlined in § 51 LHG (Act of Baden-Württemberg on Universities and Colleges) in conjunction with § 20 KITG (KIT-Act) in the version applicable until the legal validity of the 2. KIT-Weiterentwicklungsgesetz (2nd KIT Further Development Act) shall apply as well as the Quality Assurance Concept for Junior Professorships and Tenure-Track Professorships at Karlsruhe Institute of Technology (KIT). In addition, the evaluation pays special attention to the commitment to the Helmholtz program. KIT has procedures in place for your continuous career development, including a mentoring scheme.

Employment will initially be for a period of six years as a temporary civil servant or as an employee (according to “Beurlaubungsmodell” §15 (2) KITG). An interim evaluation is carried out in the fourth
year of service. If the final tenure evaluation is positive, the successful candidate will be promoted to the rank of tenured full professor (W3) with the predominant performance of large-scale research tasks in accordance with the KIT Act in the currently applicable version* at the Institute for Meteorology and Climate Research.

* According to the current legal situation, leave of absence to carry out large-scale research tasks in accordance with Section 15 (2) KITG before the 2nd KIT Development Law comes into force.

KIT is an equal opportunity employer. Women are especially encouraged to apply. Recognized severely disabled persons will be preferred if they are equally qualified. KIT has a family friendly policy and offers a number of support schemes to help with reconciling family and work obligations.

The processing of personal data by the Karlsruhe Institute of Technology (KIT) is carried out according to the Privacy Policy (http://www.sek.kit.edu/downloads/2020-11-17_DSE_Berufungsverfahren_englisch.pdf)

Applications with the required documents (curriculum vitae, degree certificates as well as a list of publications) and a perspective paper (maximum of two pages) on the planned research and teaching activities and possible cooperation at KIT should be sent by e-mail, collated in a single PDF document, to gs@b2.kit.edu by 15.09.2021. Information, including on the application requirements for the professorship, can be obtained from Prof. Michael Decker, email: michael.decker@kit.edu

KIT – Die Forschungsuniversität in der Helmholtz-Gemeinschaft