12 Doctoral Researchers (f/m/d) in Computational Science and Accessibility

Cooperative Graduate School Accessibility through AI-based Assistive Technology

The Cooperative Graduate School Accessibility through AI-based Assistive Technology (KATE) is a new cooperative and interdisciplinary graduate school between the Karlsruhe Institute of Technology (KIT) and the Hochschule Karlsruhe (HKA).

Are you interested in improving the quality of life of persons with special needs by using state-of-the-art artificial intelligence methods to develop assistive technology for these user groups?

In this unique doctoral program, you will be able to conduct an interdisciplinary research project that revolves around investigating state-of-the-art artificial intelligence methods in order to improve the autonomy and participation of persons with special needs. In the graduate school, different dissertation topics ranging from AI-based methods for text, audio, and multimedia document processing, AI methods for interactive training and assistance systems, to investigating the consequences and ethical, legal, social, and societal implications of AI systems for people with disabilities will be offered. Within the framework of the doctoral college, 12 students with a doctoral scholarship, as well as approx. 10 additional doctoral students, will be supervised by more than 12 professors from the two universities. The sponsored persons will work on a selected topic scientifically in depth within the framework of their doctorate and will receive an overall view of all relevant topics – including medical causes as well as their effects, the needs of the target groups, AI-based approaches, ethics, technology assessment, and societal aspects – through the exchange within the doctoral college for this purpose.

Your Profile

You hold a master's or equivalent degree, received by December 2022 at the latest, in computer science, mathematics, engineering, physics or related quantitative sciences, or in the social sciences.

As an international research school, we require our doctoral researchers to be fluent in English (German is optional).

We offer
- Cutting-edge research and working with top experts in AI, computer science, robotics, human-computer interaction, and social sciences
- An inspiring work environment in an interdisciplinary setting
- Integrated structural training curriculum of scientific and professional skills taught in English
- A doctoral stipend covering living and travel expenses for three years (with the possibility for prolongation)

Possible start date: March to July 2023

Apply now!

You are interested in adopting state-of-the-art AI-based methods in improving the quality of life of persons and in investigating the social and ethical aspects, or the discrimination or integration potentials of such technologies? Then we're looking forward to your application via our project and recruiting website www.kate.kit.edu. You still have questions? Feel free to contact us via mail under apply@kate.kit.edu. We're happy to hear from you and help you with your questions!

Processing of your personal data by Karlsruhe Institute of Technology (KIT) will be subject to this Privacy Policy.

You can find further information on the internet: www.kit.edu

KIT – The Research University in the Helmholtz Association