Karlsruhe Institute of Technology

We are looking for the IPEK - Institute of Product Engineering (IPEK), at the earliest possible date, with a time-limited contract (doctoral period approx. 5 years) a

Academic assistant / PhD student (f/m/d): Development and validation of design methods.

and offer a full-time position on the basis of TVL, remuneration group E 13.

In your research, you deal with the investigation of team and design processes. Due to the increasingly rapid pace of digital transformation, employees and managers in companies need to be trained in the use of new tools and processes - such as agile methods, artificial intelligence or digital twins. However, this support must be developed in a suitable way. However, this requires in-depth knowledge of the processes.
The new Learning and Application Center (LAZ), which is currently being set up at KIT, is available as a research environment for gathering this knowledge. In the future, team and design processes will be analyzed and taught here. The LAZ includes all the components needed to investigate and teach product development processes from the initial idea to the finished product.

Your tasks

- Independent management and collaboration in industry and publicly funded research projects
- Development, implementation and management of project work
- Research into design processes
- Contribution to the implementation of courses desirable

The final goal of your scientific activities in our team is your doctorate.

You hold an above-average university or university of applied sciences degree (Dipl.-Ing. or Master) in the field of mechanical engineering/mechatronics. You have a profound knowledge of both written and spoken English and German and are an excellent team player with an independent, systematic and committed way of working. You also have a good capacity for abstraction, a high willingness to learn beyond the limits of your specialist training and a methodical approach. You have an interest in modeling, design methods and product development methods.

We offer you an attractive and modern workplace and access to the excellent facilities of the KIT, a varied and responsible job as well as a wide range of further training opportunities, a supplementary pension according to VBL, flexible working time models, a subsidy for the JobTicket (BW) and a canteen.

We aim to fill the positions as evenly as possible with employees (m/f/d) and would therefore be particularly pleased to receive applications from women.

If appropriately qualified, severely disabled persons will be given preferential consideration.

Please send your application documents to Mr. Johannes Sänger. Specialized information is also available by telephone:

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Further information can be found on the Internet: https://www.kit.edu/english/index.php.