PhD Student/ Research Assistant (f/m/d) in the field of AI in Manufacturing

Job description: The German Ministry for Research and Education (BMBF) is funding a transfer center for AI in Manufacturing “ProKI Karlsruhe” as part of the overall ProKI network. The Vision and Fusion Laboratory (IES) from the department of Informatics at KIT participates in the transfer center.

You will be part of a large, interdisciplinary team from the fields of production engineering and computer science and explore the intersection of artificial intelligence and manufacturing. This will expose you both to the theoretical state-of-the-art and to industrial applications with partner companies.

Scientific topics related to the transfer center include the use of prior engineering knowledge in AI models, the reduction of the required number of data samples, the formal characterization of the performance of AI models beyond empirical statistics, as well as the supervision and update mechanisms to support AI models in a long-term deployment under changing working conditions.

The final goal of your scientific activities at KIT is your doctorate.

Qualification: - The applicants should hold a university degree (Diploma or Masters) in the STEM areas and should also have strong English communication skills (both Oral and Writing).
- Basic knowledge and scientific interest in AI methods for use in production processes.
- Suitable candidates must possess a strong willingness for research exploration, independence, self-learning, creativity, teamwork and communication skills.

We offer: We offer you an attractive and modern workplace with access to the excellent equipment of the KIT, a varied work, a wide range of training opportunities, flexible working time models, an allowance for the job ticket BW and a casino/cafeteria.

Salary: The remuneration occurs on the basis of the wage agreement of the civil service in TV-L E13.

Institute: Institute for Anthropomatics and Robotics, Vision and Fusion Laboratory (IES)

Contract duration: Initially limited to 2 years with the option of extension for an additional 2 years

Contact person in line-management: For technical details please contact Prof. Dr.-Ing. Jürgen Beyerer, juergen.beyerer@kit.edu, Phone +49 721 608-45911
Application:

Please send your application including a cover letter, your CV, and all certificates/referees in electronic form to Prof. Dr.-Ing. Jürgen Beyerer, juergen.beyerer@kit.edu

vacancy number: (füllt PSE aus)

We prefer to balance the number of employees (f/m/d). Therefore, we kindly ask female applicants to apply for this job.

Recognized severely disabled persons will be preferred if they are equally qualified.

Karlsruher Institut für Technologie
Personalservice