PhD Candidate in Robotics- Academic Staff Member (f/m/d) in Robotics for the department "AI and Robotics"

For the department "AI & Robotics" of the Institute of Material Handling and Logistics (IFL) at the Karlsruhe Institute of Technology, we are looking for full-time academic staff (100 %) available immediately. A doctorate within the scope of the employment is desired.

Job description:
In collaboration with the "InnovationsCampus Mobilität der Zukunft", we have a goal to bring new technologies and innovations through excellent basic research in the areas of AI and robotics. The focus of the research in the group AI & Robotics is to develop novel AI systems for robot applications. The main focus of position is to develop novel AI systems for **dexterous robot grasping**.

Qualifications:
- You have a very good degree (diploma/master's degree) in computer science, mechatronics, mechanical engineering, industrial engineering, or a comparable field
- You have a very strong background and practical experience in **robotics**
- You have very good programming skills (e.g., Python, C++)
- You have a previous experience in hardware-related programming of robots (e.g. with ROS)
- (Deep) Reinforcement Learning background is plus
- Your profile: highly motivated, independent with a high level of personal responsibility, good communication, and teamwork skills

Responsibilities:
- Pursing good research with real robot applications
- Participation in industry projects for research transfer
- Assistance in the implementation, revision, and creation of courses with interactive teaching formats

What we offer:
- Close cooperation with other institutes, universities, and numerous industrial partners
- Self-determined development environment for own research topics with active support for the doctorate research project
- Flexible working hours
- Work in a young, interdisciplinary research team
- Possibility to do a doctorate

Institute:
Institut für Fördertechnik und Logistiksysteme (IFL)
AI & Robotics Department (AIR)

Payment:
based on the collective agreement for the public service TV-L, E13.

Contract period:
Initially 1 year with the prospect of extension up to 5 years

Start: Immediately
Application deadline:
15.06.2023

Contact person for content-related questions:
Jun.-Prof. Rania Rayyes
application-air@ifl.kit.edu

Application:
Please send your application in the form of **ONE PDF** and named as follow **your NAME_AIR_0105.pdf** incl: (Motivation letter, CV, certificate, transcripts, state any previous robotics experience) by e-mail to:
application-air@ifl.kit.edu

KIT and ICM value the professional equality of women and men. We are therefore particularly pleased to receive applications from women. If suitable, severely disabled applicants will be given preferential consideration.