Learn while helping robots learn! As robots expand into different areas of human activity, they breach the boundaries of the well-structured industrial environment where they were first deployed. Robots are required to conduct complex tasks and tackle unforeseen circumstances. Giving robots the ability to learn is paramount for ensuring the success of future robotic systems. Some of the topics include:

- Learning visuomotor coordination and grasping
- Deep neural networks
- Sim-to-real and general transfer learning
- Imitation learning

We are hiring! Our team is looking for a graduate from the domains of computer science, electrical engineering, mechanical engineering, mathematics, or physics.

We are looking for a motivated researcher with a university degree (master or diploma) and a strong interest in current research topics, especially industrial and service robotics. You can work independently and push novel approaches from early ideas to more advanced purposeful and meaningful insights.

Experience with programming real-time systems, robots, and machine learning algorithms is preferable. We offer the opportunity to work in a cross-disciplinary team, in which we iterate rapidly on design ideas, take feedback, and act on it quickly. Teamwork, diversity, and transparency throughout the institute are well-established and belong to our core beliefs. Excellent English language skills are necessary; German language skills will simplify your everyday life but are not required.

We collaborate with national and international top-tier research partners at various companies and institutions (e.g., Google, Stanford University, KUKA, Schunk, Playground Global, Fraunhofer IPA). You will be given the opportunity to gain experience in the field of industrial and service robotics. We anticipate that you intend to pursue a PhD degree in this field.

Please send your application to Prof. Dr. Torsten Kröger. KIT is committed to increasing the percentage of women in science and technology, and females are especially encourage to apply. Applicants with disabilities will be preferred if they are suitably qualified.