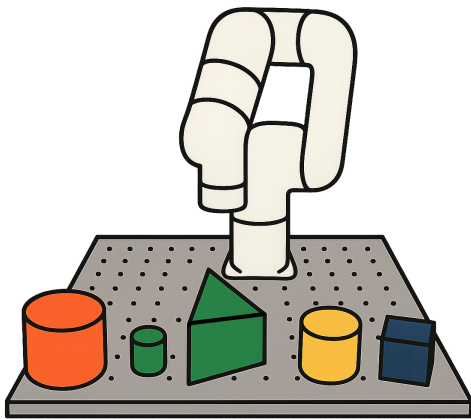


Student Assistant Position

Supervision of the Lab Mechatronics (Mechatronik-Praktikum) in WS25/26

Together with the Institute for Automation and Applied Informatics, we offer the “**Laboratory Mechatronics**“ during the winter semester. In this lab, students apply their knowledge of mechatronics, measurement, and control to solve a practical engineering problem. Our institute is responsible for the **measurement part**, which focuses on **image processing**, **object detection**, and **segmentation**.



We are looking for 2 students supporting the supervision of the lab!

As an experiment supervisor, you will independently conduct colloquia with the groups of four students and assist in performing experiments, and act as the expert in image capturing, image processing, and object segmentation. You will guide students when they encounter difficulties and help ensure a smooth lab experience. Since this lab got renewed, you will also test the new lab with us and give us feedback for improvements. The testing phase will be in January.

The lab is organized as a block seminar and takes place from April 13 to 17, 2026 (Calendar Week 16). Each day, students will work from 08:30 to 17:00 with breaks included, and the total workload for the position is approximately 50–60 hours for teaching + around 20 hours for the testing.

We are interested in students from various disciplines. These include Mechanical Engineering (MA), Electrical Engineering, Mechatronic and Computer Science. If you are interested, please contact us by email or phone!

Job Focus:	Support for Teaching
Requirements:	Basic understanding of image processing & Python, Enjoyment of teaching
Start and Duration:	April 13 to 17, 2026 (Calendar Week 16), Lab Testing in January
Contact:	M.Sc. Jonas Merkert, Room 033, Building 40.32 Tel.: +49 721 608-45628, Email: jonas.merkert@kit.edu

signed Prof. Dr.-Ing. Christoph Stiller