

Student Assistant Position

Supervision of the “Measurement, Control and Learning Lab” in winter semester 2026/27

We offer the “**Measurement, Control and Learning Lab**” to Master’s students in Mechanical Engineering and Mechatronics during the summer and winter semesters. In the below listed 8 experiments, the students will learn about modern measurement, image processing, and control engineering as applied to real-world problems:

A1	Measurement of Stochastic Signals
B1	Image Recording and Analysis
B2	Image Processing with Filters and Segmentation
B3	3D Scene Understanding and Depth Estimation
C1	Object Recognition with Deep Learning
D1	Control of an Industrial Robot
D2	Actuation of a Ball-Balancing Table
D3	System Modeling of a Ball-Balancing Table

We are looking for about 8 student assistants to supervise the experiments!

As an experiment supervisor, you will independently conduct colloquia with groups of about three to six students and assist them in conducting an experiment. You can choose which of the offered experiments you would like to supervise.

The lab takes place during the lecture period from Monday to Thursday between 10:00 am until 1:00 pm and 2:00 pm until 5:00 pm. The total workload per chosen day is approximately 30-45 hours.

We are interested in master students from various disciplines. These include Mechanical Engineering, Mechatronics and Information Technology, Electrical Engineering, Physics, and Computer Science!

If you are interested, please contact us by email or phone!

Job Focus:	Support for Teaching
Requirements:	Basic understanding of the basics in measurement & control Enjoyment of teaching
Start and Duration:	8 weeks of experiments in the WS, starting from 09.11.2026
Contact:	M.Sc. Jonas Merkert , Room 033, Building 40.32 Tel.: +49 721 608-45628, Email: jonas.merkert@kit.edu