

SS 2025

Measurement Instrumentation Lab

Place:	Building 40.32 and 40.33
Time:	Monday - Thursday 10:00 – 13:00 or 14:00 – 17:00
Start:	May 05, 2025
End:	July 31, 2025
Requirement:	Knowledge of the lecture <i>Introduction to Measurement and Control</i>
Registration:	On the Internet at www.mrt.kit.edu Time: April 1, 2025 (10:00) – April 20, 2025 (24:00) The number of participants is limited to 40 . Following registrations are collected on a waiting list. In case of great demand, the maximum number of participants may be increased. After successfully registering for the Lab on our website, the exam of this Lab must also be registered in the CAS system of KIT . Group Distribution: April 28, 2025 on the Internet It is not possible to change groups during the semester.
Experiment instructions:	From the beginning of the Lab online

Experiments

A	Signal recording
A1	Measurement of stochastic signals
B	Image processing
B1	Image recording and analysis
B1	Image processing with filters and segmentation
B2	3D Scene Understanding and Depth Estimation
C	Artificial Intelligence
C1	Object Recognition with Deep Learning
D	Control of Complete systems
D1	Control of an Industrial Robot
D2	Actuation of a Ball-Balancing Table
D3	System Modeling of a Ball-Balancing Table