

SoSe 2024

Measurement Instrumentation Lab

Place:	Building 40.32 and 40.33
Time:	Monday - Thursday 13:30 – 16:00 or 16:00 – 18:30
Start:	May 08, 2023
End:	July 27, 2023
Requirement:	Knowledge of the lecture <i>Introduction to Measurement and Control</i>
Registration:	On the Internet at www.mrt.kit.edu Time: April 3 (10:00) – April 24 (23:59) 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: May 02, 2024 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 temperature
A2	Measurement of lengths
B	Signal pre-processing
B1	Bridge circuit and measurement principles
B2	Analog/digital transducers
C	Signal processing
C1	Measurement of stochastic signals
D	Complete systems
D1	System identification
D2	Inverse pendulum
D3	Mobile robot platform