



Universität Stuttgart
Institut für Fördertechnik
und Logistik

Industrial Mobile Robotics Lab Practical Course

CONTENT

- In-depth introduction to mobile robotic systems
- Gain practical experience in operating and controlling mobile robots
- Implementation of a fleet management system using Python
- Implementation of a robot control system using Python
- Testing of the software on real mobile robots
- Two events will be held at the IFL of the KIT

TEACHING AND LEARNING METHODS

- Video lectures for self-study
- Team-based project work
- Hands-on implementation of robotic systems
- Simulation-based testing before real-world deployment
- Regular team meetings and collaboration across institutions
- Final presentation and evaluation of project results

ADDITIONAL INFORMATION

Successful participants can have the course credited as the "Praktikum Fördertechnik und Logistik" module (32660, 3 ECTS) or receive 8 signatures for their SF-/APMB-internships.

PERIOD

15.05.2025 - 04.07.2025

LOCATION

Institut für Fördertechnik
und Logistik (IFT)
Holzgartenstr. 15



IMRL Practical Course SS 2025

CONTACT

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REGISTRATION

01.04.2025 – 15.05.2025

On ILIAS platform:

Magazin Ingenieurwissenschaften
Maschinenwesen / Maschinenbau Skripte und
Lernmodule Industrial Mobile Robotics Lab

A minimum of participants is required

28.04.2025

IFT

www.ift.uni-stuttgart.de