

Faculty of Industrial Engineering: Digital Manufacturing and Robotics



Faculty of Industrial Engineering

Department

Digital Manufacturing and Robotics

Virtual Engineering, Technology- and Innovation Engineering

Material Science and Production Engineering

Automation and Sensor Technology

Modeling and Simulation of Mechanical Systems

Mechatronics/Robotics

Mechanical Engineering

International Business and Engineering

Innovation and Technology Management

Academy

Digital Factory

Faculty of Industrial Engineering

Department

Digital Manufacturing and Robotics

Virtual Engineering, Technology- and Innovation Engineering

Material Science and Production Engineering

Automation and Sensor Technology

Modeling and Simulation of Mechanical Systems

Mechatronics/Robotics

Mechanical Engineering

International Business and Engineering

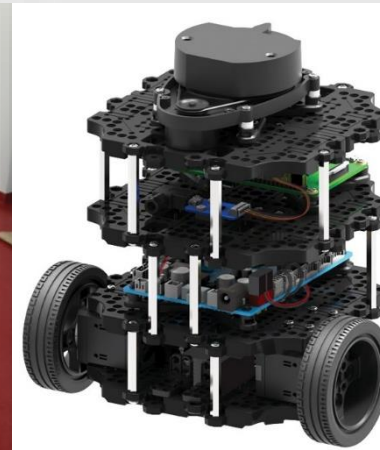
Innovation and Technology Management

Academy

Digital Factory

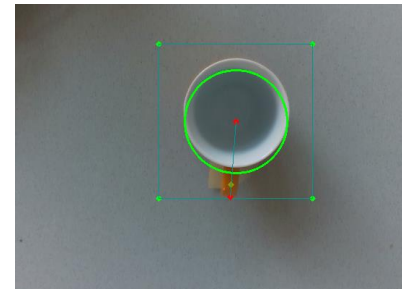
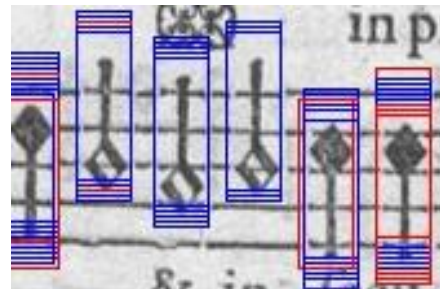
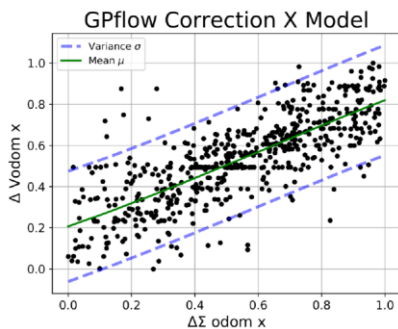
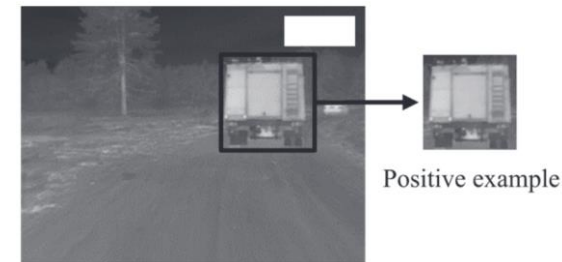
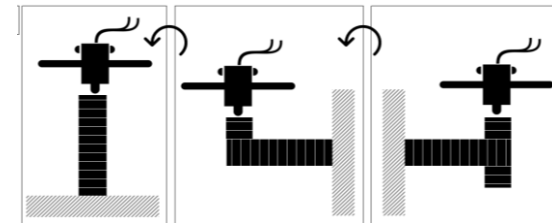
Schwerpunkte

- Mobile/Industrielle Robotik
- Maschinelles Sehen
- Schwerpunkt auf industriellen Anwendungen
- Projekte
 - SafeCon, RelCon: FFG/KIRAS
 - Photonik Grundlagen & ind. Anwendungen: Wien/Call16
 - Potenzialstudie Robotik (gemeinsam mit österr. Partnern)
 - Autonome Landsysteme (BMLV, tbd.)



Schwerpunkte

- Mobile Robotik und Computer Vision
 - Parameterfreie Methoden zur Navigation und Objekterkennung
 - Deep Learning zur Landmarkendetektion und Navigation
 - Fahrzeugmodellierung
- Industrierobotik
 - Griff in die Kiste
 - Einsatz kollaborativer Roboter
 - 3D-Freiformdruck
- Zuverlässige Sensorik für Indoor und Outdoor
- Vernetzung und IOT



Kontakt



Mohamed Aburaia
Leitung Kompetenzfeld: Digital Manufacturing & Robotics
mohamed.aburaia@technikum-wien.at



Wilfried Kubinger
Leitung Kompetenzfeld: Sensorik und Automation
wilfried.kubinger@technikum-wien.at



Wilfried Wöber
Mobile Robotik und künstliche Intelligenz
wilfried.woeber@technikum-wien.at

