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RoboRoomie

Prof. Dr. Rainer Malaka
Bremen, WiSe 24/25

digital
media
lab

RoboRoomie

Masters Project WiSe 24/25
Computer Science, Digital Media

Digital Media Lab
30 ECTS (900 Hours)

RoboRoomie - Lecturer and Tutors

→ Rainer Malaka

→ Tutors:

- Rachel Ringe
- Carolin Stellmacher
- Bastian Dänekas

Website: dm.tzi.de

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Robots in the household

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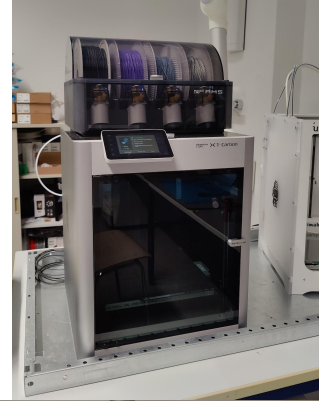Bremen, WiSe 24/25

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RoboRoomie - Content

→ Use an remote controlled vacuum robot and make him into a household companion

→ Explore different use cases to provide companionship or assistance

→ Investigate haptic interactions and functions of your robot roomie

→ Get creative and modify the robot to fit your needs using tools like 3D printing, microcontrollers or funny accessories

→ Work together as a team with others to experience the advantage of user-centered design and robotic interactions

→ Conduct your own Human-Robot-Interaction study

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Previous Research Works

Labs & Workshops

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RoboRoomie - Requirements

→ Complete the preparation courses

◆ Embodied Interaction

→ Familiarity with how to conduct scientific research (HCI)

→ Thinking robots are really cool

→ Programming and/or design affinity

→ No prior knowledge of robotics, engineering, ROS etc. needed!

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RoboRoomie - Contact

For further questions write an email to:

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→   daenekba@uni-bremen.de