## PBL Flagship Project 2023-2024

## Truly Autonomous Legged Robots for Assisted Living and more

With a Bachelor / Semester / Master Thesis / FreeLancer and Staff at PBL

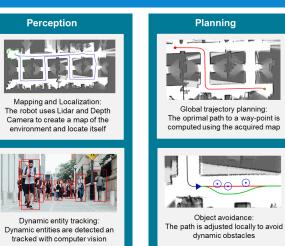
Would you like to participate in the design and development of an autonomous quadruped robot for real-life applications such as blind person assistance and other applications?

Would you like to work with embedded systems, sensors including cameras and LiDARs, embedded control, hardware and software design, controlling robotic arms, and with state of art legged robots from Unitree?

We are looking students to work in the following areas:

- Embedded control
- State estimation for autonomous navigation with novel sensors
- Computer vision for perception and planning
- Manipulation with robotic arm
- And many other topics
- Participation on students' competitions







## Project in collaboration with:





## Interested? Apply until 17.09.2023!

Include a short motivation letter, grade transcript and the desired focus topic in your application and send to davide.plozza@pbl.ee.ethz.ch martyste@pbl.ee.ethz.ch

Control

Model Predictive Control:

level motion control



Project sponsored by:



