Virtual Retina as Vision System for Robots

Current Progress

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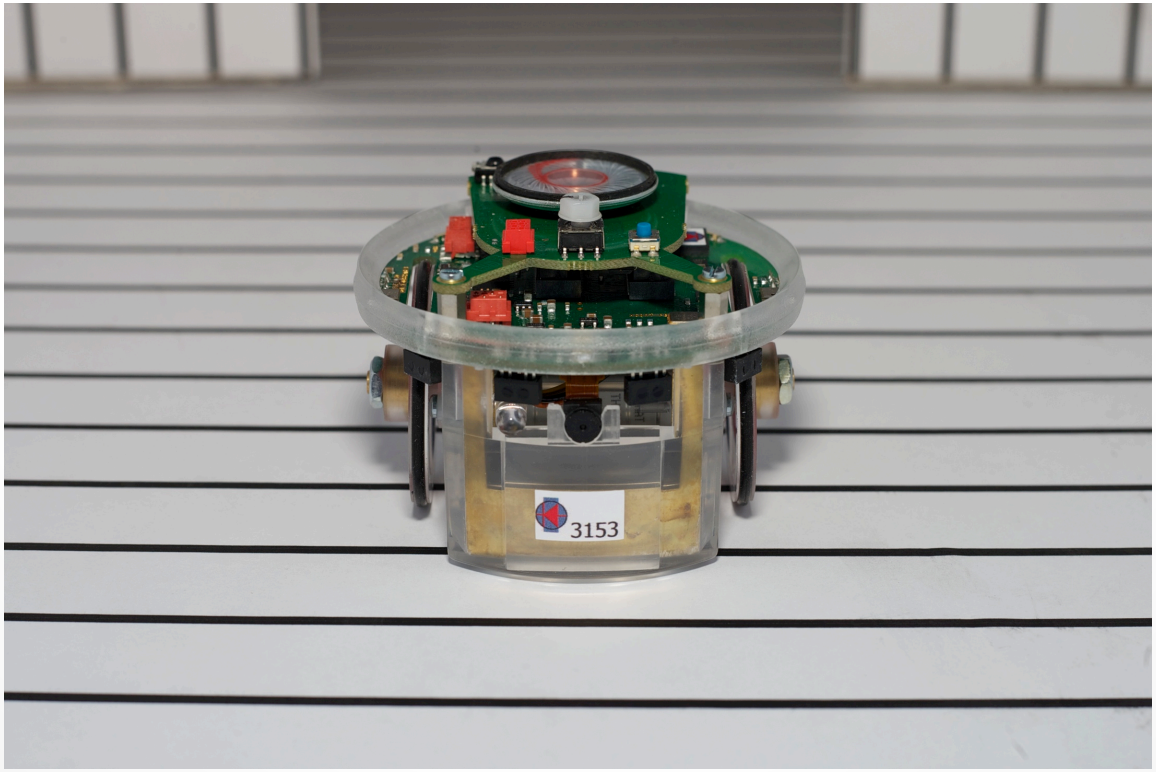
Current Objectives

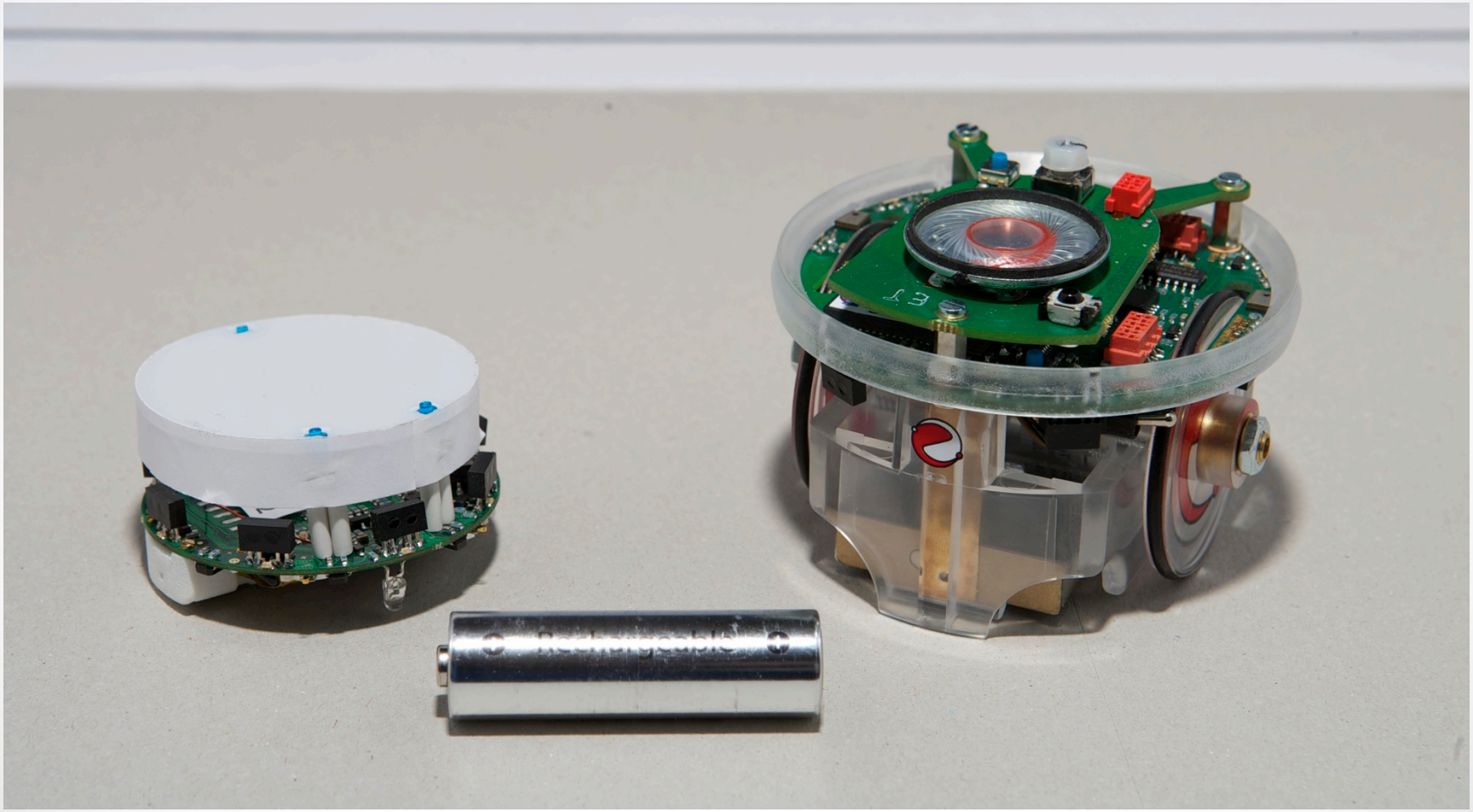
- Use Virtual Retina, simulating a primate retina, as the Vision System for the navigational task of a robot.
- Implement a neural network to control the movement of the robot, receiving as input the visual cues from the simulated retina.

The E-Puck Robot

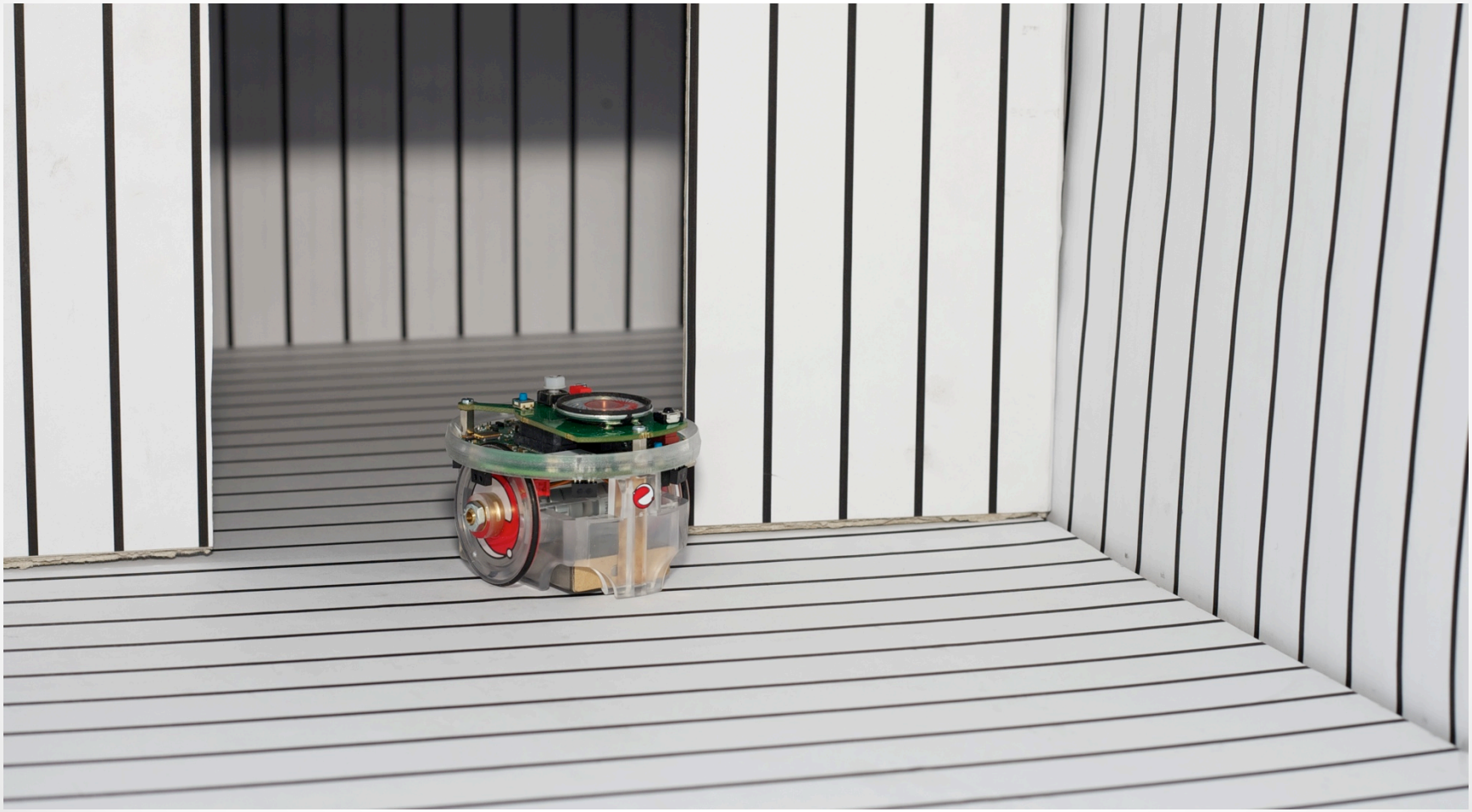
- Mondada, F. *et al.* (2009) The e-puck, a Robot Designed for Education in Engineering. Proceedings of the 9th Conference on Autonomous Robot Systems and Competitions, 1(1) pp. 59-65.



The E-Puck Robot



The E-Puck Robot



The V-REP Simulator