HOBBIT - THE MUTUAL CARE ROBOT

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Evolution: First And Second Prototype

Learn Object

Entertainment

The goal

of the HOBBIT project is to advance towards a robot solution that will enhance wellness and quality of life for seniors, and enhance their ability to live independently for longer at their homes.

Service robot

Within the HOBBIT project we set out to study a future robot that will make older persons feel safe at home. It can pick up objects from the floor, learn and bring objects, and it is equipped with easy-to-use entertainment functions. You have tools to stay socially connected, keep active with playing games and exercise, and enjoy your time checking out films, music and books.
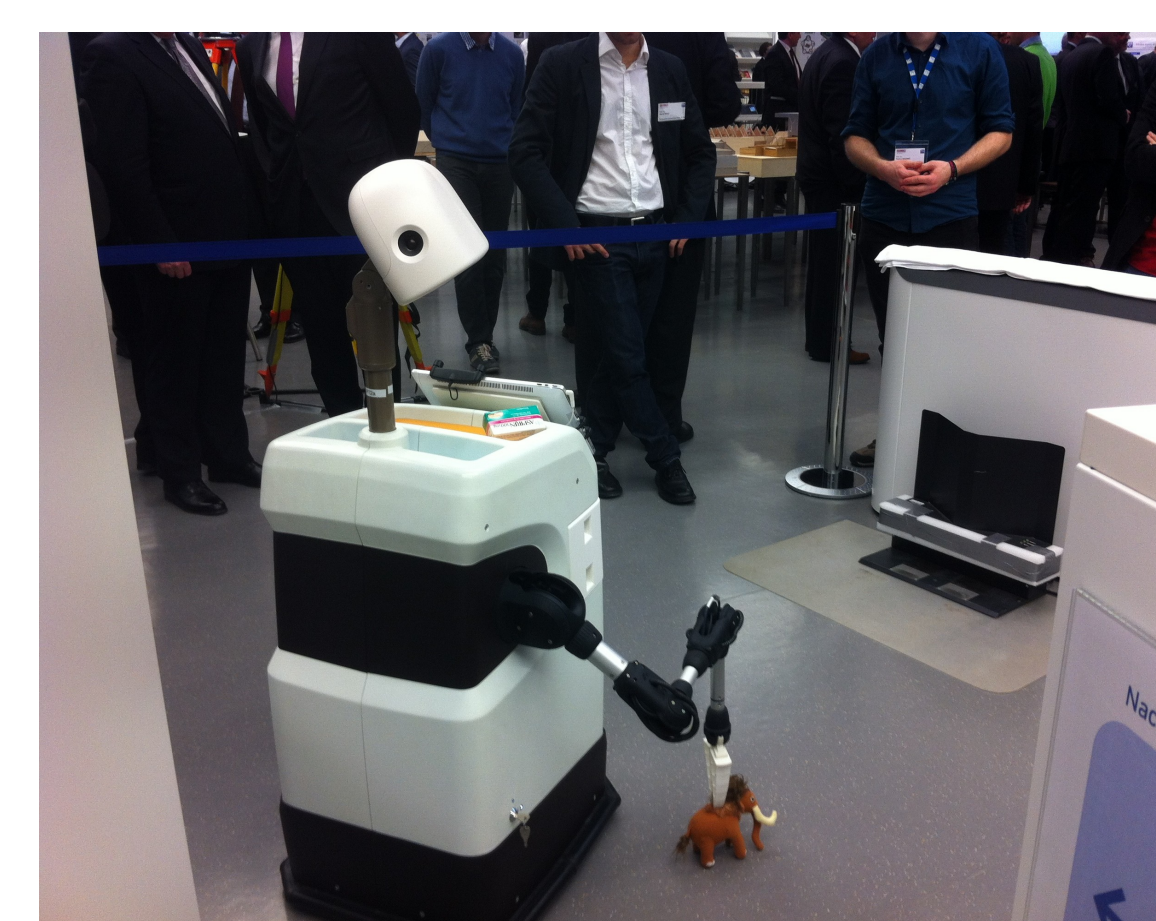

Pick Up Object

Safety

The main task of the robot is fall prevention and detection. To achieve this, the robot will clean the floor from all objects and thus reduce the risk of falling. It will detect emergency situations such that help can be called in time. The purpose of the Mutual Care approach is to increase the acceptance of the home robot.

Fall Detection

Mutual care concept

The project focus was the development of the mutual care concept: building a relationship between the human and the robot in which both take care for each other.

Bring Object

BLUE DANUBE ROBOTICS — Everyday Robotics. Affordable.

METRA MetraLabs mobile robots

CENTRE for AAT applied assistive technologies

LUNDS UNIVERSITET

FORTH — Foundation for Research & Technology, Hellas