

Social robots, robots for kids

From top left, clockwise: An experiment on object manipulation with iCub robot; NAO robot looking at the camera; NAO performing an interactive game of image recognition; Children playing with NAO at school



Images courtesy of Dr Alessandro di Nuovo; Sheffield Hallam University



Robot on a lead

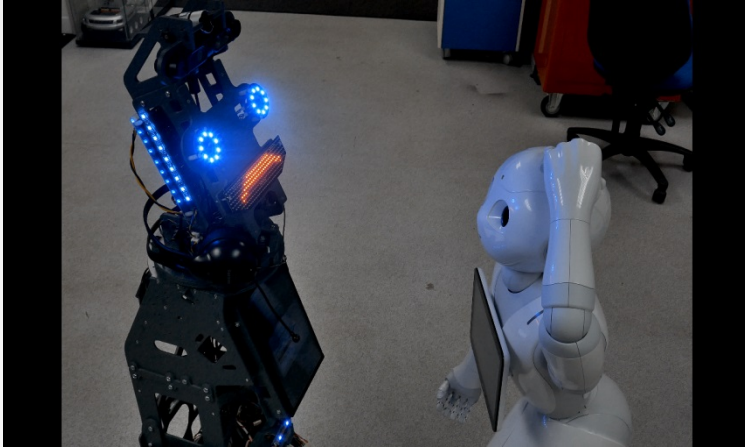
A mobile robot acting as a dog; connected with a lead; A person is following the robot; A person pointing to a different direction and asking to robot to move there; Human and the robot walking side by side.

Images courtesy of Ayan Ghosh; Sheffield Hallam University



Interaction with a robotic arm

Images courtesy of Enohor Igbeyi; Sheffield Hallam University



Robot-robot interaction: future vision

Emotive robots.

Images courtesy of Matthew Haire; Sheffield Hallam University



Self-organising swarm robotics

Images courtesy of Alexandr Lucas; Sheffield Hallam University



Robot-Era project

The 'Robot-Era' project was a 4 year European project which involved 10 partners from Italy, Germany, UK and Sweden (FP7/2007-2013 under grant agreement num. 288899). The project focused on development, implementation and demonstration of the general feasibility, scientific/technical effectiveness and the social/legal plausibility of robotic services. The project considered the end-users acceptability of completely integrated advanced robots in smart environments.

There were three robots involved: a domestic robot (DoRo), a condominium robot (CoRo) and an outdoor robot (ORo). The first one worked inside the apartment, helping the user to move around, remind tasks, make video calls and order the grocery shopping. CoRo worked in the condominium, taking the lift and exchanging goods with Oro thanks to a roller mechanism. Oro was designed to transport objects in urban environment and assist users while walking outside.

These robots were tested with real users in order to evaluate their acceptability and usability.

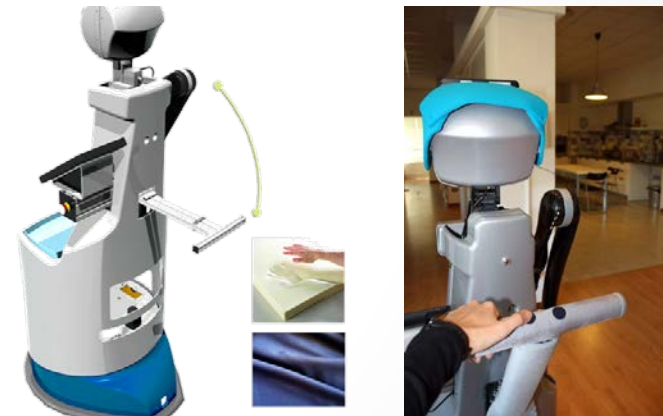


Image courtesy of Alessandra Moschetti; Sheffield Hallam University



Can you spot a robot?

Image courtesy of Marcos Rodrigues; Sheffield Hallam University



VDA V6, Design Department, Master Thesis: Robot's Appearance, student: Inna Popa, supervisor: Šarūnas Šlektavičius

Can you spot a robot?

Image courtesy of Inna Popa



These photos are of a shop window



dedicated to toy robots, which hold



special fascination for humans from very early on in childhood.

Images courtesy of Rinella Cere; Sheffield Hallam University

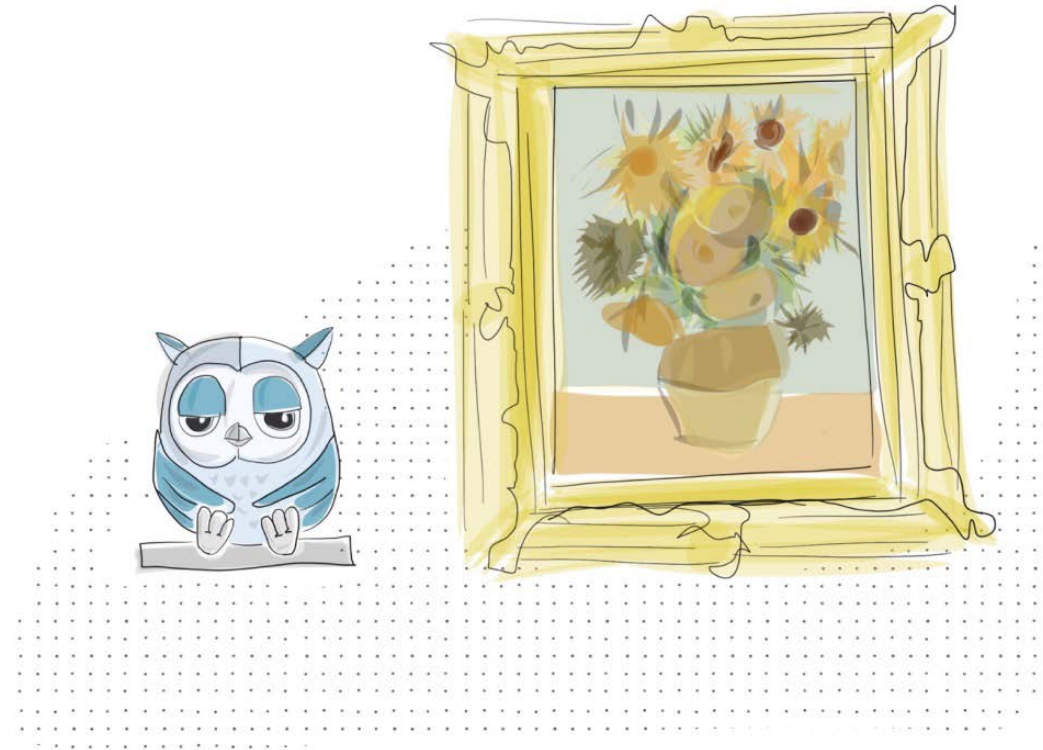
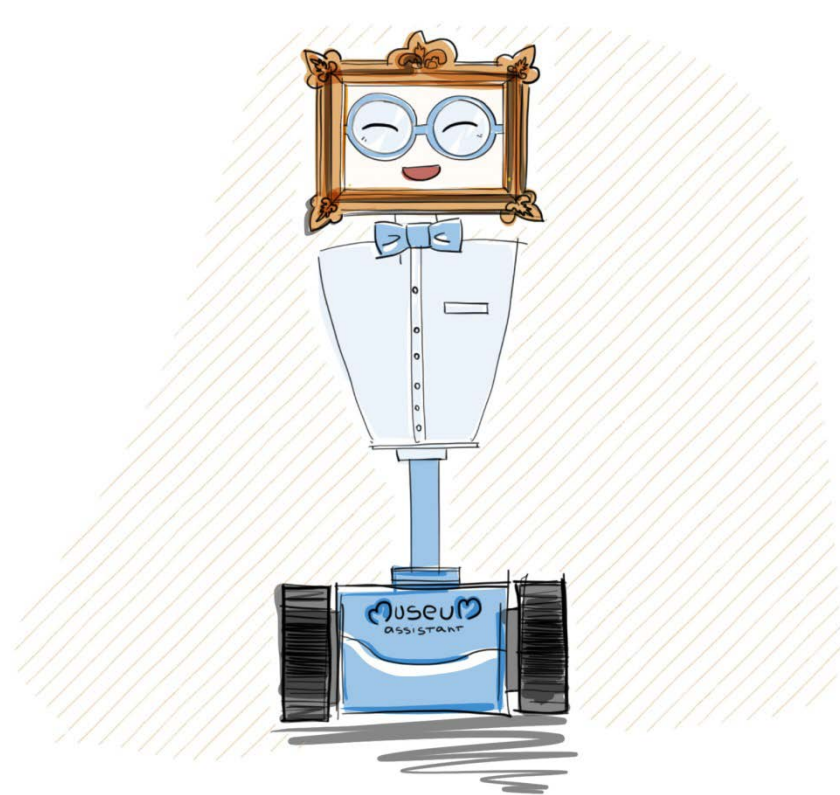
FICTIONAL HUMAN AND REAL ROBOT: SHARING SPACES WITH ROBOTS



COURTESY OF INNA POPA

ROBOT ASSISTANTS. FUTURE VISION.

FICTIONAL HUMAN AND REAL ROBOT: SHARING SPACES WITH ROBOTS



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ROBOT MUSEUM GUIDES. FUTURE VISION.