Social Perception of Autonomous Household Robots

Open Bachelor/Master Thesis

Background

With the introduction of the Amazon Astro, autonomous household robots may find their way into users' homes. However, several concerns arise. For example, people might not trust these devices due to privacy concerns (eavesdropping) or feel uncomfortable by the presence of such robots and even feel under constant observation in their homes. Moreover, people may be disturbed when the robot automatically follows them around the house. Besides, it is unclear how such a robot is perceived by a group, e.g., in a conversation and whether it should be present and proactive in such scenarios.

Research Goal

The aim of this thesis is to investigate an individual's or a group's social perception of autonomous household robots. A related work research should be conducted and a prototype (e.g., in virtual reality) can be designed and implemented. Finally, the defined hypothesis should be evaluated by conducting a study.

Based on bachelor/master level the scope is adapted.

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Images:

https://www.dezeen.com/2021/10/20/astro-amazon-robot-home-monitoring-technology/