Development of a robotic system to design and evaluate Dynamic Background Cues

By Sebastian Gieselmann

Disserta Verlag Sep 2013, 2013. Taschenbuch. Condition: Neu. Neuware - When predicting the technological development of assistive systems in everyday environments, it may be assumed that the future home will contain more electronic devices than it does today. We already have a great deal of technology and even robots in our homes. For example, vacuum cleaner robots are used to clean floors fully autonomously. People are becoming more accustomed to robots. Even the elderly are learning to interact naturally with the seal robot Paro. However, problems may emerge as robots become more and more human-like. But, as robots are developed to address more complex tasks, i.e. for serving as social interfaces or housekeeping, it becomes more reasonable to design human-like robots. This shape has the advantage that the interaction becomes more natural. But, it is exactly this human-like shape that often evokes fear and discomfort. When the robot becomes too human-like or too powerful and intelligent, especially people in the western world become scared. This vision of what robots could be or do in the future can be seen in literature or movies where authors express the fear that robots could become dangerous for humans, as seen in the Terminator...

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