

RethiCare - Re-thinking Care Robots

Initiative: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen

Ausschreibung: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen - Full Grant (nur nach Aufforderung)

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Projekt-Website: <http://www.rethicare.info>

As robot assistance for elderly in homes and care facilities become central funding topics, this raises ethical and methodological questions. What consequences has the automatization of care for the quality of life and dignity of those cared for? How can robotic assistance be designed adequately and carefully? And what challenges arise from this endeavor for robotics research, in return? The aim of this project is to investigate methods and approaches for interdisciplinary collaboration that result in more appropriate designs and technical solutions of robots for the care context, concerning appearance, intelligent behavior and situatedness in the social context of use. The interdisciplinary constellation will enable to re-think from the ground up what care-robotics should look like and 'do', using contemporary design methods in a rapid prototyping, design-driven approach. RethiCare will investigate robots, i.e., devices with autonomously controlled degrees of freedom. Hence the design process addresses, besides shape and functionality, also the design of behavior that is inherently proactive and adaptive.

Projektbeteiligte

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Open Access-Publikationen

A critique of robotics in health care

Integrierte Roboterentwicklung für die Pflege. Konzeptuelle und praktische Herausforderungen am

Beispiel ReThiCare

Bibo the Moving Cup for People Affected by Dementia: Design, Ethical Considerations, and First Observations in Use.

Beyond dyadic HRI: building robots for society.

Pet-Robot or Appliance? Care Home Residents with Dementia Respond to a Zoomorphic Floor

Washing Robot.