

## **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

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Laufzeit: 3 Jahre

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**

**Making Affordances Real: Socio-Material Prefiguration, Performed Agency, and Coordinated Activities in Human Robot Communication**

**Problematische Aspekte der MRI-Forschung, Epistemologische und methodologische Kritik des Zustands eines Feldes**