

## **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)

Bewilligung: 26.11.2018

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**

#### **Prof. Dr.-Ing. Eva Hornecker**

Bauhaus-Universität Weimar  
Fakultät Medien/Medieninformatik  
Computer Science  
Weimar

#### **Dr. Andreas Bischof**

Technische Universität Chemnitz  
Fakultät für Informatik  
Professur Medieninformatik  
Chemnitz

**Prof. Wolfgang Sattler**

Bauhaus-Universität Weimar  
Fakultät Kunst und Gestaltung  
Studiengang Produkt Design  
Weimar

**Prof. Dr. Norbert Krüger**

University of Southern Denmark  
The Maersk Mc-Kinney Moller Institute  
Odense M  
Dänemark

**Open Access-Publikationen**

**Care, therapy, or sex robots? Results of a scenario study on the use of social robots**

**A critique of robotics in health care**

**The Interactive Enactment of Care Technologies and its Implications for Human-Robot-Interaction in Care.**

**Hospital Beds, Robot Priests and Huggables: A (Fictional) Review of Commercially Available Care Robots**