

Contextualizing Robot Behavior: Should Robots Become Human Again?

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Before long, Artificial Intelligence (AI) will be vastly embedded in everyday life. The main proposition of the project is that AI-robots should have multiple interaction styles depending on context. Robots should behave differently when interacting with humans than with one another. Depending on the goals they should accomplish, the risks involved and the social environment in which they operate, AI-robots need to adapt their interaction styles and behaviors in order to be effective and efficient. They need to understand different contexts to learn how to adapt to different interactions and thus perform optimally. Therefore, the consortium suggests to study the normative context in which robots operate and understand the social processes between humans and agentic robotic systems (as well as those of robots and other robots). If AI-robots are designed to act as super-efficient agents with infinite information, their interactions will lead to unfavorable outcomes to humans. In contrast, if AI-robots are designed to always act "human", there will be no significant benefit from employing them in all-robot environments. One could also argue that it is normatively justified to have robots interact in a more "human" manner when interacting with humans. In order to research this topic an interdisciplinary approach is suggested.

Projektbeteiligte

Prof. Dr. Eric Hilgendorf

Universität Würzburg

Fakultät Rechtswissenschaft

Lehrstuhl für Strafrecht, Strafprozessrecht,

Rechtstheorie, Informationsrecht und

Rechtsinformatik

Alte Universität

Würzburg

