

healthcare robots ethics design pdf

With this in mind I suggest the use of an approach for incorporating ethics into the design process of robots known as Care Centered Value Sensitive Design (CCVSD).

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This research offers with an underexplored space of the rising applied sciences debate: robotics within the healthcare setting. The writer explores the position of care and develops a worth-delicate moral framework for the eventual employment of care robots.

Healthcare Robots: Ethics, Design and Implementation

Keywords Robot ethics Care ethics Value-sensitive design Service robots Applied ethics Introduction In previous works I have argued in favor of a robust proactive framework for incorporating ethics into the design and implementation of robots named the Care Centered Value Sensitive Design (CCVSD) approach (van Wynsberghe 2012, 2013, 2015).

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However, given the lack of a robust approach for robots in other domains one may wonder whether or not the same or a similar, comprehensive and systematic approach for incorporating ethics in care robot design can be applied to robots in other sectors.

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There is a growing body of literature on the ethics of healthcare robotics and ICTs , , , , , , , sometimes also called machine (medical) ethics , , , , . The literature gives a good overview of potential ethical issues in healthcare robotics and shows that philosophical reflection delivers valuable insights into what exactly might be problematic in this area and why.

Ethics of healthcare robotics: Towards responsible

The original publication is available at www.springerlink.com Robots - Ethical by Design Gordana Dodig Crnkovic¹ and Baran ÅrÅ¼rÅ¼klÅ¼2 ¹ Computer Science Laboratory, School of Innovation, Design and Engineering, MÅlardalen University, Sweden ² Computational Perception Laboratory, School of Innovation, Design and Engineering, MÅlardalen University, Sweden

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design, deployment, and use will robots be able to maximize their potential in healthcare. In this paper, we will focus on the issues of patient and user safety, security, and privacy, and specifically the effect of medical device regulation and data protection laws on robots in healthcare.

S T H C DRAFT REGULATING HEALTHCARE ROBOTS IN THE HOSPITAL

The health, education, and other service applications for robots that assist through primarily social rather than physical interaction are rapidly growing, and so is the research into such technologies.

Ethical Principles for Socially Assistive Robotics

Rise of the Healthcare Robots: Five Ethical Issues To Consider March 30, 2016 Written by Trudy Simpson
Humanity , Medical Practice , New Technologies , Nursing Trudy is Junior Researcher in the CMF Public
Policy team.

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