Rethinking Machine Ethics in the Age of Ubiquitous Technology

Part of the Advances in Human and Social Aspects of Technology (AHSAT) Book Series

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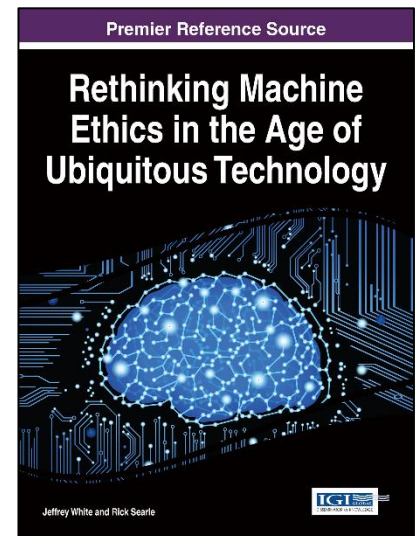
Description:

As the utilization of intelligent machines spreads to numerous realms, the discourse of machine ethics has also developed and expanded. Concerns over machine intelligence and the role of automata in everyday life must be addressed before artificial intelligence and robotic technologies may be fully integrated into human society.

Rethinking Machine Ethics in the Age of Ubiquitous Technology blends forward-looking, constructive, and interdisciplinary visions of ethical ideals, aims, and applications of machine technology. This visionary reference work incorporates ethical conversations in the fields of technology, computer science, robotics, and the medical industry, creating a vibrant dialogue between philosophical ideals and the applied sciences.

This timely publication features thoroughly researched articles on the topics of artificial moral agency, cyber-warfare, transhumanism, organic neural nets, human worker replacement, automaticity and global governance, security and surveillance, military drones, and more.

Readers:

This book serves as an excellent tool for policymakers, academicians, researchers, advanced-level students, technology developers, and government officials.

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Topics Covered:

- Artificial Moral Agency
- Automaticity and Global Governance
- Cyber-Warfare
- Embedded Technologies

- Facial Recognition Technologies
- Mechanized Military Intelligence
- Mechanized Workforce

- Organic Neural Nets
- Security and Surveillance
- Transhumanism

Jeffrey White received his Ph.D. in Philosophy from the University of Missouri-Columbia in 2006 with a dissertation titled "Conscience: Toward the mechanism of morality". He also earned his MA in Philosophy and MS in Chemistry from Cleveland State University in 2001. Since 2010 Dr. White has served as a Lecturer at KAIST. His past experience includes Research/Teaching assistant at the University of Missouri-Columbia, Teaching/Graduate assistant at Cleveland State University, and Lab technician/assistant at Bowling Green State University. Dr. White has numerous publications and has presented and participated in various conferences throughout his professional career.

Rick Searle is an educator and freelance writer who explores the intersection of science, technology, philosophy and politics. He is an affiliate scholar with the Institute for the Ethics of Emerging Technology and is a frequent writer for the IEET website. He also blogs at utopiaordystopia.com