

1. Record Nr.	UNINA9910781519603321
Titolo	Robot ethics : the ethical and social implications of robotics / / edited by Patrick Lin, Keith Abney, and George A. Bekey
Pubbl/distr/stampa	Cambridge, Massachusetts : , : MIT Press, , c2012 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	0-262-29775-2 1-283-42074-0 9786613420749 0-262-29863-5
Descrizione fisica	1 online resource (399 p.)
Collana	Intelligent robotics and autonomous agents series
Altri autori (Persone)	BekeyGeorge A. <1928-> LinPatrick <1968-> AbneyKeith <1963->
Disciplina	174/.9629892
Soggetti	Robotics - Human factors Robotics - Moral and ethical aspects Robotics - Social aspects Robots - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Preface""; ""Acknowledgments""; ""I Introduction""; ""1 Introduction to Robot Ethics""; ""1.1 Robots in Society""; ""1.2 Ethical and Social Issues""; ""1.3 Engaging the Issues Now""; ""2 Current Trends in Robotics: Technology and Ethics""; ""2.1 What Is a Robot?""; ""2.2 Robotics around the World""; ""2.3 Industrial/Manufacturing Robots: Robots as Coworkers""; ""2.4 Human a€? Robot Interaction in Healthcare, Surgery, and Rehabilitation""; ""2.5 Robots as Co-inhabitants; Humanoid Robots""; ""2.6 Socially Interactive Robots""; ""2.7 Military Robots""; ""2.8 Conclusion"" ""3 Robotics, Ethical Theory, and Metaethics: A Guide for the Perplexed""""3.1 Four Questions""; ""3.2 The Requirements of Moral Personhood: Robots and Their Implications""; ""3.3 Conclusion: On Robots and Ethics, and Combining the Two""; ""II Design and Programming""; ""4 Moral Machines: Contradiction in Terms or

Abdication of Human Responsibility?"; ""4.1 Toward Artificial Moral Agents"; ""4.2 Philosophers, Engineers, and the Design of Artificial Moral Agents"; ""4.3 Early Research on the Development of AMAs, and Future Challenges"; ""4.4 Challenges, Objections, and Criticisms""  
""4.5 Conclusion""""5 Compassionate AI and Selfless Robots: A Buddhist Approach"; ""5.1 Programming a Craving Self""; ""5.2 The Buddhist Universe of Types of Beings""; ""5.3 Would It Be Ethical to Create a Suffering Being?""; ""5.4 Programming Compassion""; ""5.5 Programming Ethical Wisdom""; ""5.6 Programming Self-Transcendence""; ""5.7 Conclusion""; ""6 The Divine-Command Approach to Robot Ethics""; ""6.1 The Context for Divine-Command Roboethics""; ""6.2 The Divine-Command Logic LRT\*""; ""6.3 Concluding Remarks""; ""III Military""; ""7 Killing Made Easy: From Joysticks to Politics""  
""7.1 The Ultimate Distance Weapon Systems""""7.2 In, On, or Out of the Loop""; ""7.3 An Ethical Code for Robots?""; ""7.4 The Problem of Proportionality""; ""7.5 Conclusion""; ""8 Robotic Warfare: Some Challenges in Moving from Noncivilian to Civilian Theaters""; ""8.1 Background and an Example""; ""8.2 Mental State Attribution in General""; ""8.3 Isotropy""; ""8.4 Emotion""; ""8.5 A Suggestion for Taming Isotropy""; ""8.6 Conclusion""; ""9 Responsibility for Military Robots""; ""9.1 Killer Robots""; ""9.2 Responsibility, Punishment, and Blame""; ""9.3 The Logic of Responsibility""  
""9.4 Design of Military Robots""""9.5 Conclusion""; ""IV Law""; ""10 Contemporary Governance Architecture Regarding Robotics Technologies: An Assessment""; ""10.1 The Intersection between Robotics and Governance""; ""11 A Body to Kick, but Still No Soul to Damn: Legal Perspectives on Robotics""; ""11.1 Robots and Product Liability""; ""11.2 Vicarious Liability, Agents, and Diminished Responsibility""; ""11.3 Rights, Personhood, and Diminished Responsibility""; ""11.4 Crime, Punishment, and Personhood in Corporations and Robots""; ""11.5 Conclusion""; ""12 Robots and Privacy""  
""12.1 Robots that Spy""

---

## Sommario/riassunto

Robots today serve in many roles, from entertainer to educator to executioner. As robotics technology advances, ethical concerns become more pressing: Should robots be programmed to follow a code of ethics, if this is even possible? Are there risks in forming emotional bonds with robots? How might society--and ethics--change with robotics? This volume is the first book to bring together prominent scholars and experts from both science and the humanities to explore these and other questions in this emerging field. Starting with an overview of the issues and relevant ethical theories, the topics flow naturally from the possibility of programming robot ethics to the ethical use of military robots in war to legal and policy questions, including liability and privacy concerns. The contributors then turn to human-robot emotional relationships, examining the ethical implications of robots as sexual partners, caregivers, and servants. Finally, they explore the possibility that robots, whether biological-computational hybrids or pure machines, should be given rights or moral consideration. Ethics is often slow to catch up with technological developments. This authoritative and accessible volume fills a gap in both scholarly literature and policy discussion, offering an impressive collection of expert analyses of the most crucial topics in this increasingly important field.

---