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Nota di contenuto	1. Technological Development and Well-Being -- 2. The IEEE Global Initiative on Ethics of Autonomous and Intelligent -- 3. Humans and Robots: A New Social Order in Perspective? -- 4. Game Theory Formulation for Ethical Decision Making -- 5. Beyond the Doctrine of Double Effect: A Formal Model of True Self-Sacrifice -- 6. Mind the Gap: A Theory is Needed to Bridge the Gap Between the Human Skills and Self-Driving Cars -- 7. Who should you sue when no-one is behind

the wheel? Difficulties in establishing new norms for autonomous vehicles in the European Union -- 8. Robotics, Big Data, Ethics and data protection: a matter of approach -- 9. The concept of friendliness in robotics: ethical challenges -- 10. Ethics, the only safeguard against the possible negative impacts of autonomous robots? -- 11. AI in the Sky: How People Morally Evaluate Human and Machine Decisions in a Lethal Strike Dilemma -- 12. Putting people and robots together in manufacturing: are we ready? -- 13. A Survey On The Pain Threshold And Its Use In Robotics Safety Standards -- 14. Lisbon Robotics Cluster: Vision and Goals -- 15. Index.

Sommario/riassunto

This book highlights some of the most pressing safety, ethical, legal and societal issues related to the diverse contexts in which robotic technologies apply. Focusing on the essential concept of well-being, it addresses topics that are fundamental not only for research, but also for industry and end-users, discussing the challenges in a wide variety of applications, including domestic robots, autonomous manufacturing, personal care robots and drones.
