

1. Record Nr.	UNINA9910483016903321
Titolo	Robotics and Well-Being [[electronic resource] /] / edited by Maria Isabel Aldinhas Ferreira, João Silva Sequeira, Gurvinder Singh Virk, Mohammad Osman Tokhi, Endre E. Kadar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-12524-6
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (178 pages)
Collana	Intelligent Systems, Control and Automation: Science and Engineering, , 2213-8986 ; ; 95
Disciplina	174.9629892
Soggetti	Robotics Automation Artificial intelligence Ethics User interfaces (Computer systems) Quality control Reliability Industrial safety Robotics and Automation Artificial Intelligence User Interfaces and Human Computer Interaction Quality Control, Reliability, Safety and Risk
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
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.

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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.

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