1. Record Nr. UNINA9910817057403321

Autore	Tzafestas S. G. <1939->
Titolo	An introduction to robophilosophy : cognition, intelligence, autonomy, consciousness, conscience, and ethics / / Spyros G. Tzafestas
Pubbl/distr/stampa	Denmark : , : River Publishers, , [2016] ©2016
ISBN	1-00-333718-X 1-003-33718-X 1-000-79567-5 87-93379-56-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (346 pages)
Disciplina	T934
Soggetti	Artificial intelligence - Philosophy Robotics Robots
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Background Concepts and Outline of the Book 2 Philosophy: Fundamental Issues 3 Philosophy of Science and Technology 4 Robot Cognition5 Robot Intelligence 6 Robot Autonomy 7 Robot Consciousness 8 Robot Conscience and Ethics 9 Architectural Aspects of Cognitive Robots 10 Additional Issues.
Sommario/riassunto	Modern robots have arrived at a very matured state both in their mechanical / control aspects and their mental aspects. An Introduction to Robophilosophy explores the philosophical questions that arise in the development, creation, and use of mental – anthropomorphic and zoomorphic- robots that are capable of semiautonomous / autonomous operation, decision making and human-like action, being able to socially interact with humans and exhibit behavior similar to human beings or animals. Coverage first presents fundamental concepts, and an overview of philosophy, philosophy of science, and philosophy of technology. The six principal mental capabilities of modern robots, namely cognition, intelligence, autonomy, consciousness, conscience, and ethics are then studied from a

philosophical point of view. They actually represent the product of technological embodiment of cognitive features to robots. Overall, readers are provided a consolidated thorough investigation of the philosophical aspects of these mental capabilities when embedded to robots. This book will serve as an ideal educational source in engineering and robotics courses as well as an introductory reference for researchers in the field of robotics, and it includes a rich bibliography.