

1. Record Nr.	UNINA9910795639903321
Autore	Hexmoor Henry
Titolo	Essential Principles for Autonomous Robotics [[electronic resource] /] / by Henry Hexmoor
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2013
ISBN	3-031-01563-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XIV, 142 p.)
Collana	Synthesis Lectures on Artificial Intelligence and Machine Learning, , 1939-4616
Disciplina	006.3
Soggetti	Artificial intelligence Machine learning Neural networks (Computer science) Artificial Intelligence Machine Learning Mathematical Models of Cognitive Processes and Neural Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Preliminaries/Agency, Motion, and Anatomy -- Behaviors -- Architectures -- Affect/Sensors -- Manipulators/Part II: Mobility -- Potential Fields -- Roadmaps -- Reactive Navigation -- Multi-Robot Mapping: Brick and Mortar Strategy -- Part III: State of the Art -- Multi- Robotics Phenomena -- Human-Robot Interaction -- Fuzzy Control -- Decision Theory and Game Theory -- Part IV: On the Horizon -- Applications: Macro and Micro Robots -- References -- Author Biography -- Discussion.
Sommario/riassunto	From driving, flying, and swimming, to digging for unknown objects in space exploration, autonomous robots take on varied shapes and sizes. In part, autonomous robots are designed to perform tasks that are too dirty, dull, or dangerous for humans. With nontrivial autonomy and volition, they may soon claim their own place in human society. These robots will be our allies as we strive for understanding our natural and man-made environments and build positive synergies around us. Although we may never perfect replication of biological capabilities in

robots, we must harness the inevitable emergence of robots that synchronizes with our own capacities to live, learn, and grow. This book is a snapshot of motivations and methodologies for our collective attempts to transform our lives and enable us to cohabit with robots that work with and for us. It reviews and guides the reader to seminal and continual developments that are the foundations for successful paradigms. It attempts to demystify the abilities and limitations of robots. It is a progress report on the continuing work that will fuel future endeavors. Table of Contents: Part I: Preliminaries/Agency, Motion, and Anatomy/Behaviors / Architectures / Affect/Sensors / Manipulators/Part II: Mobility/Potential Fields/Roadmaps / Reactive Navigation / Multi-Robot Mapping: Brick and Mortar Strategy / Part III: State of the Art / Multi-Robotics Phenomena / Human-Robot Interaction / Fuzzy Control / Decision Theory and Game Theory / Part IV: On the Horizon / Applications: Macro and Micro Robots / References / Author Biography / Discussion.

2. Record Nr.	UNISA996198618903316
Titolo	JACC Cardiovascular imaging
Pubbl/distr/stampa	[Amsterdam] ; ; [New York, N.Y.], : Elsevier Science
ISSN	1876-7591
Descrizione fisica	1 online resource
Disciplina	616
Soggetti	Heart - Imaging Cardiovascular system - Imaging Diagnostic Techniques, Cardiovascular Diagnostic Imaging - methods Periodical Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

3. Record Nr. UNINA9910149128303321

Titolo	[[]]
Pubbl/distr/stampa	, : , 2006.12 : , : , , 2006
ISBN	4-481-90280-9
Descrizione fisica	1
Classificazione	507 336.17
Altri autori (Persone)	

Soggetti

Lingua di pubblicazione	Giapponese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	(2003) :