1. Record Nr. UNISALENTO991002639149707536

Titolo	Dai vescovi del Belgio ai vescovi di Germania e d'Austria-Ungheria
Pubbl/distr/stampa	Roma : Desclée, 1916
Descrizione fisica	47 p. ; 19 cm
Disciplina	940.3493
Soggetti	Guerra mondiale. 1914-1918 - Atteggiamento del clero belga
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910784899103321

Autore	Wang Lingfeng
Titolo	Evolutionary robotics [[electronic resource]] : from algorithms to implementations / / Lingfeng Wang, Kay Chen Tan, Chee Meng Chew
Pubbl/distr/stampa	New Jersey, : World Scientific Publishing, c2006
ISBN	1-281-37329-X 9786611373290 981-277-314-2
Descrizione fisica	1 online resource (267 p.)
Collana	World Scientific series in robotics and intelligent systems ; ; v. 28
Altri autori (Persone)	TanK. C ChewChee Meng
Disciplina	629.892
Soggetti	Evolutionary robotics Robotics
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 ; 1. Artificial Evolution Based Autonomous Robot Navigation ; 1.1 Introduction ; 1.2 Evolutionary Robotics ; 1.3 Adaptive Autonomous Robot Navigation

; 1.4 Artificial Evolution in Robot Navigation
; 1.4.1 Neural Networks ; 1.4.2 Evolutionary Algorithms
1.4.3 Fuzzy Logic 1.4.4 Other Methods ;
1.5 Open Issues and Future Prospects ;
1.5.1 SAGA ; 1.5.2 Combination of Evolution and Learning
; 1.5.3 Inherent Fault Tolerance ; 1.5.4 Hardware Evolution ; 1.5.5 On-Line Evolution
; 1.5.6 Ubiquitous and Collective Robots ;
1.6 Summary
Bibliography 2. Evolvable Hardware in Evolutionary Robotics
; 2.1 Introduction ; 2.2 Evolvable Hardware
; 2.2.1 Basic Concept of EHW ; 2.2.2 Classification of EHW ; 2.2.2.1 Artificial evolution and hardware device ; 2.2.2.2 Evolution process
; 2.2.2.3 Adaptation methods
2.2.2.4 Application areas 2.2.3 Related Works
; 2.3 Evolutionary Robotics ; 2.4 Evolvable Hardware in Evolutionary Robotics ;
2.5 Promises and Challenges ; 2.5.1 Promises
; 2.5.2 Challenges ; 2.6 Summary ;
Bibliography
3. FPGA-Based Autonomous Robot Navigation via Intrinsic Evolution
3.1 Introduction ; 3.2 Classifying Evolvable Hardware
; 3.2.1 Evolutionary Algorithm ; 3.2.2 Evaluation Implementation ; 3.2.3 Genotype Representation ; 3.3 Advantages of Evolvable Hardware
3.3.1 Novel Hardware Designs

Sommario/riassunto

This invaluable book comprehensively describes evolutionary robotics and computational intelligence, and how different computational intelligence techniques are applied to robotic system design. It embraces the most widely used evolutionary approaches with their merits and drawbacks, presents some related experiments for robotic behavior evolution and the results achieved, and shows promising future research directions. Clarity of explanation is emphasized such that a modest knowledge of basic evolutionary computation, digital circuits and engineering design will suffice for a thorough unders