

1. Record Nr.	UNINA9910971301703321
Titolo	Agent-based computing // Duarte Bouca and Amaro Gafagnao, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61122-576-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (348 p.)
Collana	Computer science, technology and applications
Altri autori (Persone)	BoucaDuarte GafagnaoAmaro
Disciplina	006.3
Soggetti	Intelligent agents (Computer software) Distributed artificial intelligence Data mining
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	<p> ""AGENT-BASED COMPUTING ""; ""AGENT-BASED COMPUTING ""; ""CONTENTS ""; ""PREFACE ""; ""AGENT-BASED GENETIC ALGORITHM FOR GLOBAL NUMERICAL OPTIMIZATION AND FEATURE SELECTION ""; ""1. INTRODUCTION ""; ""2. CHAIN-LIKE AGENT GENETIC ALGORITHM FOR GLOBAL NUMERICAL OPTIMIZATION AND FEATURE SELECTION ""; ""2.1. Analysis of Algorithm ""; ""2.1.1. Chain-Like Agent Structure ""; ""2.1.2. Selection Process Based on Dynamic Neighboring Competition Strategy ""; ""2.1.3. Neighboring Crossover Process ""; ""2.1.4. Adaptive Mutation Process ""; ""2.1.5. Stop Criterion ""; ""2.1.6. Elitism Strategy"" ""2.1.7. Realization of Algorithm """"2.2. Experimental Results ""; ""2.2.1. Global Numerical Optimization Experiments ""; ""2.2.2. Feature Selection Experiments""; ""2.3. Conclusions ""; ""3. MULTIPLE- POPULATION CHAIN-LIKE AGENT GENETIC ALGORITHM FOR GLOBAL NUMERICAL OPTIMIZATION AND FEATURE SELECTION ""; ""3.1. Analysis of Algorithm ""; ""3.1.1. Multi-Population Cycle Chain-Like Agent Structure ""; ""3.1.2. Genetic Operators""; ""3.1.3. Realization of Algorithm ""; ""3.1.4. Computational Complexity""; ""3.2. Experimental Results ""; ""3.2.1. Global Numerical Optimization Experiments "" ""3.2.2. Feature Selection Experiments""""3.3. Conclusions ""; ""CONCLUSIONS AND FUTURE WORK ""; ""ACKNOWLEDGMENTS""; ""REFERENCES ""; ""MULTI-AGENT ENTERPRISE SUSTAINABILITY </p>

PERFORMANCE MEASUREMENT SYSTEM"; "ABSTRACT ";
"INTRODUCTION "; "METHODOLOGY"; "SUSTAINABILITY AGENT ";
"1. The Selection of Suitable Indicators "; "2. Retrieving data from
Data Repository Agent "; "3. Calculating the Weights of Indicators ";
"4. Calculating Sustainability Performance Indices by Using MCDM
Methods"; "DATA REPOSITORY AGENT "; "ALERT MANAGEMENT
AGENT "; "COMMUNICATION AGENT "
"APPLICATION ""Sustainability Agent "; "Selecting the Proper
Indicators "; "Retrieving the Data with Respect to the Indicators ";
"Calculating the Importance Weights "; "Calculating the Performance
Indices "; "Aggregate Ranking Using Copeland method "; "Calculating
the Composite Sustainability Ranking Using Copeland method ";
"ALERT MANAGEMENT AGENT "; "Communication Agent ";
"DISCUSSION AND IMPLICATIONS "; "CONCLUSION "; "APPENDIX";
"REFERENCES "; "A MODULAR ARTIFICIAL NEURAL NETWORK BASED
DECISION MAKING IN A MULTI-AGENT ROBOT SOCCER SYSTEMS ";
"ABSTRACT "
"1. INTRODUCTION ""2. THE PROBLEM DESCRIPTION "; "3. THE BASIC
ANN ARCHITECTURE "; "4. MODULAR ANN ARCHITECTURE "; "5.
RESULTS AND DISCUSSION "; "CONCLUSION "; "REFERENCES";
"SECURITY AND PRIVACY IN TRACK AND TRACE INFRASTRUCTURES ";
"ABSTRACT "; "1. INTRODUCTION "; "1.1. Radio Frequency
Identification "; "1.2. Track and Trace Infrastructures "; "2. SECURITY
REQUIREMENTS "; "2.1. Confidentiality "; "2.2. Integrity "; "3. BATCH
RECALLS "; "3.1. Example "; "3.2. Building Blocks "; "3.2.1. Identity-
based Encryption "; "3.2.2. Boneh-Franklin Encryption "
"3.2.3. Boneh-Boyen-Goh Encryption "

Sommario/riassunto

Multi-agent systems often deal with complex applications that require distributed problem solving. In many applications, the individual and collective behaviour of the agents depends on the observed data from distributed sources. This book discusses research issues concerned with the use of multi-agent systems for data mining.
