1.	Record Nr.	UNINA9910454404103321
	Titolo	Agent engineering [[electronic resource] /] / editors, Jiming Liu ... [et al.]
	Pubbl/distr/stampa	Singapore ; ; River Edge, N.J., : World Scientific, c2001
	ISBN	1-281-94816-0
		9786611948160
		981-279-761-0
	Descrizione fisica	1 online resource (275 p.)
	Collana	Series in machine perception and artificial intelligence ; ; vol. 43
	Altri autori (Persone)	LiuJiming <1962->
	Disciplina	006.3
	Soggetti	Artificial intelligence
		Intelligent agents (Computer software)
		Electronic books.
	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	List of Contributors; CONTENTS; Introduction to Agent Engineering; Motivation; Key Issues; An Overview of this Volume; Chapter 1 Why Autonomy Makes the Agent; 1.1 Introduction; 1.2 Agents, Objects & Data; 1.3 Autonomy, Messages & Mobility; 1.4 Defining a Mobile Agent; 1.5 Efficient Use of Network Resources; 1.6 Discussion; Appendix; References; Chapter 2 Knowledge Granularity Spectrum, Action Pyramid, and the Scaling Problem; 2.1 Introduction; 2.2 A Case Study: the Object Search Agent; 2.3 Knowledge Granularity in General; 2.4 Selecting Knowledge Granularity
		2.5 Knowledge Granularity Spectrum and Action Pyramid2.6 Conclusion; Bibliography; Chapter 3 The Motivation for Dynamic Decision-Making Frameworks in Multi-Agent Systems; 3.1 Introduction; 3.2 Related Work; 3.3 Multi-Agent Testbed Infrastructure; 3.4 Multi-agent Experiments; 3.5 Discussion; 3.6 Conclusions; Bibliography; Chapter 4 Dynamically Organizing KDD Processes in a Multi-Agent KDD System; 4.1 Introduction; 4.2 Requirements for Multi-Agent Based KDD Architecture; 4.3 The GLS System; 4.4 KDD Process Planning; 4.5 Handling Iteration and Changes of KDD Process; 4.6 Concluding Remarks

| Sommario/riassunto | Agent engineering concerns the development of autonomous computational or physical entities capable of perceiving, reasoning, adapting, learning, cooperating and delegating in a dynamic environment. It is one of the most promising areas of research and development in information technology, computer science and engineering. This book addresses some of the key issues in agent engineering: What is meant by "autonomous agents"? How can we build agents with autonomy? What are the desirable capabilities of agents with respect to surviving (they will not die) and living (they will furthermore enjoy |