1.	Record Nr.	UNINA9910141268303321
	Titolo	Mobile agents in networking and distributed computing / / edited by Jiannong Cao, Sajal K. Das
	Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley-Interscience, , 2012 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2012]
	ISBN	1-280-78446-6 9786613694850 1-118-13561-X 1-118-13558-X
	Edizione	[1st edition]
	Descrizione fisica	1 online resource (347 p.)
	Collana	Wiley series in agent technology ; ; 3
	Classificazione	TEC041000
	Altri autori (Persone)	DasSajal K
	Disciplina	006.3
	Soggetti	Mobile agents (Computer software) Electronic data processing - Distributed processing
	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	FOREWORD ix -- PREFACE xi -- CONTRIBUTORS xiii -- PART I INTRODUCTION 1 -- 1 Mobile Agents and Applications in Networking and Distributed Computing 3 -- PART II PRINCIPLES OF APPLYING MOBILE AGENTS 17 -- 2 Mobile Agent Communications 19 -- 3 Distributed Security Algorithms for Mobile Agents 41 -- 4 Mobile Agent Coordination 71 -- 5 Cooperating Mobile Agents 93 -- PART III MOBILE AGENT BASED TECHNIQUES AND APPLICATIONS 127 -- 6 Network Routing 129 -- 7 Resource and Service Discovery 161 -- 8 Distributed Control 189 -- 9 Distributed Databases and Transaction Processing 219 -- 10 Mobile Agents in Mobile and Wireless Computing 243 -- PART IV DESIGN AND EVALUATION 263 -- 11 Naplet: Microkernel and Pluggable Design of Mobile Agent Systems 265 -- 12 Performance Evaluation of Mobile Agent Platforms and Comparison with Client / Server Technologies 299 -- Index 323
	Sommario/riassunto	"The book focuses on mobile agents, which are computer programs that can autonomously migrate between network sites. This text introduces the concepts and principles of mobile agents, provides an overview of mobile agent technology, and focuses on applications in

networking and distributed computing"--