

1. Record Nr.	UNINA9910739418103321
Titolo	Agent and Multi-Agent Systems in Distributed Systems - Digital Economy and E-Commerce // edited by Anne Hakansson, Ronald Hartung
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-35208-1
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XII, 220 p.)
Collana	Studies in Computational Intelligence, , 1860-949X
Disciplina	006.3
Soggetti	Computational intelligence E-commerce Information technology Business—Data processing Computational Intelligence e-Commerce/e-business IT in Business
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Improving multi-actor production, inventory and transportation planning through agent-based optimization -- e-Sourcing Clusters in Network Economy -- Formalization and verification of knowledge management in digital economy -- Agent-based Artificial Immune Systems (ABAIS) for Intrusion Detections: Inspiration from Danger Theory -- Enhancing security of e-commerce software using multi-agent systems -- Conceptual Ontology Intersection for Mapping and Alignment of Ontologies -- Implications and solution for high-speed business architecture -- Mathematical Models of Automated Auctions -- Generating B2C Recommendations Using a Fully Decentralized Architecture -- Simulation analysis using multi-agent systems for generalized matching pennies games.
Sommario/riassunto	Information and communication technology, in particular artificial intelligence, can be used to support economy and commerce using digital means. This book is about agents and multi-agent distributed

systems applied to digital economy and e-commerce to meet, improve, and overcome challenges in the digital economy and e-commerce sphere. Agent and multi-agent solutions are applied in implementing real-life, exciting developments associated with the need to eliminate problems of distributed systems. The book presents solutions for both technology and applications, illustrating the possible uses of agents in the enterprise domain, covering design and analytic methods, needed to provide a solid foundation required for practical systems. More specifically, the book provides solutions for the digital economy, e-sourcing clusters in network economy, and knowledge exchange between agents applicable to online trading agents, and security solutions to both digital economy and e-commerce. Furthermore, it offers solutions for e-commerce, such as, mapping and alignment of ontologies for business, negotiation, automated auctions, recommender systems to support traders in business activities, and game simulations.
