

1. Record Nr.	NYU004617679
Titolo	Agent-based optimization / Ireneusz Czarnowski, Piotr Jedrzejowicz, and Janusz Kacprzyk (eds.).
Pubbl/distr/stampa	Berlin ; New York : Springer, ©2013
ISBN	9783642340970 3642340970 3642340962 9783642340963
Descrizione fisica	1 online resource.
Collana	Studies in computational intelligence, 1860-949X ; 456
Altri autori (Persone)	Czarnowski, Ireneusz Jdrzejowicz, Piotr Kacprzyk, Janusz
Disciplina	006.3
Collocazione	Electronic access
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Machine Learning and Multiagent Systems as Interrelated Technologies / Ireneusz Czarnowski, Piotr Jedrzejowicz -- Ant Colony Optimization for the Multi-criteria Vehicle Navigation Problem / Mariusz Boryczka, Wojciech Bura -- Solving Instances of the Capacitated Vehicle Routing Problem Using Multi-agent Non-distributed and Distributed Environment / Dariusz Barbucha -- Structure vs. Efficiency of the Cross-Entropy Based Population Learning Algorithm for Discrete-Continuous Scheduling with Continuous Resource Discretisation / Piotr Jedrzejowicz, Aleksander Skakovski -- Triple-Action Agents Solving the MRCPSP/Max Problem / Piotr Jedrzejowicz, Ewa Ratajczak-Ropel -- Team of A-Teams -- A Study of the Cooperation between Program Agents Solving Difficult Optimization Problems / Dariusz Barbucha, Ireneusz Czarnowski, Piotr Jedrzejowicz -- Distributed Bregman-Distance Algorithms for Min-Max Optimization / Kunal Srivastava, Angelia Nedic, Dusan Stipanovic -- A Probability Collectives Approach for Multi-Agent Distributed and Cooperative Optimization with Tolerance for Agent Failure / Anand J. Kulkarni, Kang Tai.
Sommario/riassunto	This volume presents a collection of original research works by leading

specialists focusing on novel and promising approaches in which the multi-agent system paradigm is used to support, enhance or replace traditional approaches to solving difficult optimization problems. The editors have invited several well-known specialists to present their solutions, tools, and models falling under the common denominator of the agent-based optimization. The book consists of eight chapters covering examples of application of the multi-agent paradigm and respective customized tools to solve difficult optimization problems arising in different areas such as machine learning, scheduling, transportation and, more generally, distributed and cooperative problem solving.
