



Innovations in Multi-Agent Systems and Applications - 1 [

Srinivasan, Dipti,

ed. lit

Jain, Lakhmi C,

ed. lit

Springer Berlin Heidelberg,

2010

Engineering mathematics

Artificial intelligence

Mathematical and

Computational Engineering

Artificial Intelligence

Monografía

This book provides an overview of multi-agent systems and several applications that have been developed for real-world problems. Multi-agent systems is an area of distributed artificial intelligence that emphasizes the joint behaviors of agents with some degree of autonomy and the complexities arising from their interactions. Multi-agent systems allow the subproblems of a constraint satisfaction problem to be subcontracted to different problem solving agents with their own interest and goals. This increases the speed, creates parallelism and reduces the risk of system collapse on a single point of failure. Different multi-agent architectures, that are tailor-made for a specific application are possible. They are able to synergistically combine the various computational intelligent techniques for attaining a superior performance. This gives an opportunity for bringing the advantages of various techniques into a single framework. It also provides the freedom to model the behavior of the system to be as competitive or coordinating, each having its own advantages and disadvantages

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzYyMzIwNzg>

Título: Innovations in Multi-Agent Systems and Applications - 1 [Recurso electrónico] edited by Dipti Srinivasan, Lakhmi C. Jain

Edición: 1st ed

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2010

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2010

Descripción física: X, 302 p. 126 il., 23 il. col

Mención de serie: Studies in Computational Intelligence 310

Nota general: Bibliographic Level Mode of Issuance: Monograph

Bibliografía: Includes bibliographical references and index

Contenido: An Introduction to Multi-Agent Systems -- Hybrid Multi-Agent Systems -- A Framework for Coordinated Control of Multi-Agent Systems -- A Use of Multi-Agent Intelligent Simulator to Measure the Dynamics of US Wholesale Power Trade: A Case Study of the California Electricity Crisis -- Argument Mining from RADB and Its Usage in Arguing Agents and Intelligent Tutoring System -- Grouping and Anti-predator Behaviors for Multi-agent Systems Based on Reinforcement Learning Scheme -- Multi-agent Reinforcement Learning: An Overview -- Multi-Agent Technology for Fault Tolerant and Flexible Control -- Timing Agent Interactions for Efficient Agent-Based Simulation of Socio-Technical Systems -- Group-Oriented Service Provisioning in Next-Generation Network

Lengua: English

ISBN: 9783642144356 9783642264351 9783642144349 9783642144363

Materia: Engineering mathematics Artificial intelligence Mathematical and Computational Engineering Artificial Intelligence

Autores: Srinivasan, Dipti, ed. lit Jain, Lakhmi C, ed. lit

Enlace a serie principal: Studies in Computational Intelligence (CKB)1000000000238186 1860-9503

Enlace a formato físico adicional: 3-642-14434-9

Punto acceso adicional serie-Título: Studies in Computational Intelligence 310

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es