图书基本信息

书名:《Holonic and Multi-Agent Systems for Manufacturin 制造业用整子与多代理系统/会议录》

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内容概要

This book constitutes the refereed proceedings of the 2nd International Conference on Industrial Applications of Holonic and Multi-Agent Systems, HoloMAS 2005, held in Copenhagen, Denmark in August 2005. The 23 revised full papers presented were carefully reviewed and selected from 40 submissions. The papers are organized in topical sections on theoretical and methodological issues, algorithms and technologies, implementation and validation aspects, applications, and supply chain management.

书籍目录

Invited PapersExperience with Holonic and Agent-Based Control Systems and Their Adoption by IndustryFundamental Insights into Holonic Systems DesignA 3D Visualization and Simulation Framework for Intelligent PhysicalAgentsEnrique Lopez Tortes, Theoretical and Methodological IssuesMAS Methodology for HMSProbabilistic Holons for Efficient Agent-Based Data Miningand SimulationAn Information-Based AgentAlgorithms and TechnologiesDesigning Communication Protocols for Holonic Control Devices UsingElementary NetsA Proposal of Multi-agent Negotiation Mechanism Based on DynamicMarket Concept for Pareto Optimal SolutionIntegrating Transportation OntologiesUsing Semantic Web LanguagesInformation Access and Control Operations in Multi-agent SystemBased Process AutomationAn Initial Automation ObjectRobert W. BrennanRepository for OOONEIDATowards Engineering Methods for Reconfiguration of DistributedReal-Time Control Systems Based on the Reference Modelof IEC 61499Using Radio Frequency Identification in Agent-Based ManufacturingControl SystemsResolving Scheduling Issues of the London Underground Using aMulti-agent SystemKARMEN: Multi-agent Monitoring and Notification for ComplexProcessesSimulation of Underwater Surveillance by a Team of AutonomousRobots......Author Index

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