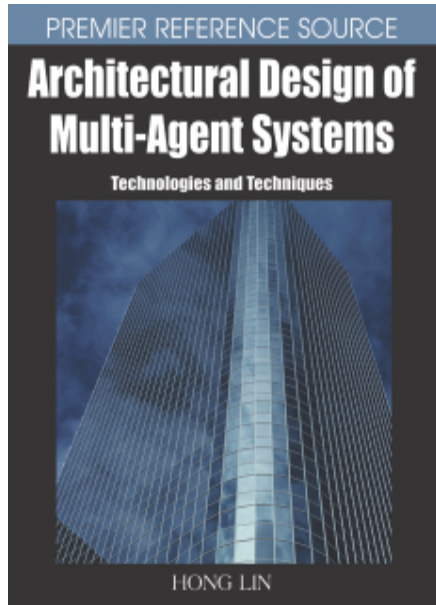


New Release

May 2007



Architectural Design of Multi-Agent Systems: Technologies and Techniques

Edited by: Hong Lin, University of Houston Downtown, USA

Multi-agent technology is a rapidly evolving area with applications in a variety of fields, with electronic commerce, supply chain management, mass customization, industrial control, informatics, and decision support among them.

Architectural Design of Multi-Agent Systems: Technologies and Techniques is a compendium of the most advanced research results focusing on architecture and modeling issues of multi-agent systems. It both collects the current state-of-the-art and serves a reference for further research on system models, architectural design languages, formal methods and reasoning, module interface design, modeling agent systems in cognitive sciences, knowledge management, in-depth exposure of agent theory, and design quality of agent systems. Meeting the needs of both theoretical researchers and applied practitioners, this Premier Reference Source is essential to any library's collection.

“The current book provides the reader with a representative snapshot of the various currents of the field. It is a welcome and timely addition to the library of any developer or scientist who wants to get an understanding of the current frontiers of agent research. It can also serve as the basis for an advanced topics class in autonomous agents.”

- Ladislau Boloni, University of Central Florida, USA

Topics Covered:

- Agent-based distributed network management
- Agent-based electronic health record system
- Agent-based grid computing
- Agent-oriented conceptualization and implementation
- Case-based recommender systems
- Coalition formation among agents
- Component agent systems
- Development of agent-based systems
- Intelligent agents design

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Table of Contents:

Section I: Fundamentals of Multi-Agent System Modeling

Chapter I: Towards Agent-Oriented Conceptualization and Implementation

Chapter II: Concurrent Programming with Multi-Agents and the Chemical Abstract Machine

Chapter III: Coalition Formation

Chapter IV: Fuzzy Logic

Section II: Agent-Oriented System Design

Chapter V: Component Agent Systems

Chapter VI: Designing a Foundation for Mobile Agents

Chapter VII: Dynamic Scheduling of Multi-Agent in Agent-Based Distributed Network Management

Chapter VIII: Scalable Fault Tolerant Agent Grooming Environment

Chapter IX: Toward Agent-Based Grid Computing

Chapter X: MAITS: A Multi-Agent-Based IT Security Approach

Section III: Agent-Based Intelligent Systems

Chapter XI: A Methodology for Modeling Expert Knowledge for Development of Agent-Based Systems

Chapter XII: Three Perspectives on Multi-Agent Reinforcement Learning

Chapter XIII: Modeling Knowledge and Reasoning in Conversational Recommendation Agents

Chapter XIV: Task Allocation in Case-Based Recommender Systems: A Swarm Intelligence Approach

Section IV: Applications of Multi-Agent Systems

Chapter XV: A Multi-Agent System for Optimal Supply Chain Management

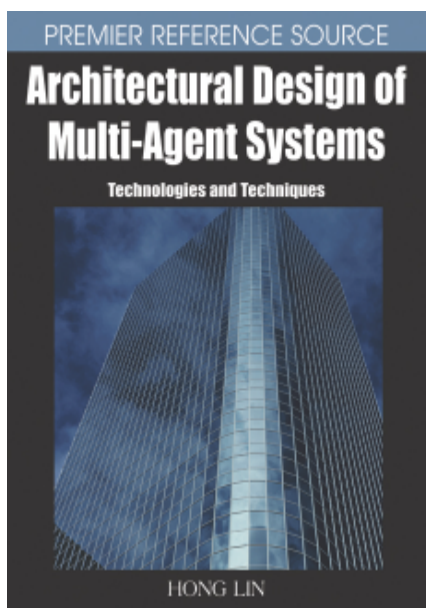
Chapter XVI: Macroscopic Modeling of Information Flow in an Agent-Based Electronic Health Record

Chapter XVII: Robust Intelligent Control of Mobile Robots

Chapter XVIII: RiskMan: A Multi-Agent System for Risk Management

About the Editor:

Hong Lin received his PhD degree in computer science from the University of Science and Technology of China in 1997. He is currently an Assistant Professor of Computer Science at the University of Houston-Downtown and the chairperson of the Computer Science Curriculum Committee. His research interests include multi-agent systems, parallel/distributed computing and formal methods. He has recently studied the application of the chemical reaction model in multi-agent system specification and derivation. His research results have been published in several papers in professional journals and conference proceedings.



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