图书基本信息

书名:《Adaptive Agents and Multi-Agent Systems II 适应性代理与多代理系统 II》

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内容概要

Adaptive agents and multi-agent systems is an emerging and exciting interdisciplinary area of research and development involving artificial intelligence, software engineering, and developmental biology, as well as cognitive and social science.

This book presents 17 revised and carefully reviewed papers taken from two workshops on the topic as well as 2 invited papers by leading researchers in the area. The papers deal with various aspects of machine learning, adaptation, and evolution in the context of agent systems and autonomous agents.

书籍目录

GSdel Machines: Towards a Technical Justification of ConsciousnessPostext - A Mind for SocietyComparing Resource Sharing with Information Exchange in Co-operative Agents, and the Role of Environment StructureBaselines for Joint-Action Reinforcement Learning of Coordination in Cooperative Multi-agent SystemsSMART (Stochastic Model Acquisition with ReinforcemenT) LearningAgents: A Preliminary ReportTowards Time Management Adaptability in Multi-agent SystemsLearning to Coordinate Using Commitment Sequences in CooperativeMulti-agent SystemsReinforcement Learning of Coordination in Heterogeneous CooperativeMulti-agent SystemsEvolving the Game of LifeThe Strategic Control of an Ant-Based Routing System Using NeuralNet Q-Learning AgentsDynamic and Distributed Interaction ProtocolsAdvice-Exchange Between Evolutionary Algorithms and ReinforcementLearning Agents: Experiments in the Pursuit DomainEvolving Strategies for Agents in the Iterated Prisoner's Dilemma in Noisy EnvironmentsExperiments in Subsymbolic Action Planning with Mobile RobotsRobust Online Reputation Mechanism by Stochastic ApproximationLearning Multi-agent Search StrategiesCombining Planning with Reinforcement Learning for Multi-robot Task AllocationMulti-agent Reinforcement Learning in Stochastic Single and Multi-stage GamesTowards Adaptive Role Selection for Behavior-Based AgentsAuthor Index

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