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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Models, Architecture, and Design -- A Reference Architecture for Situated Multiagent Systems -- A Unified Model for Physical and Social Environments -- Exploiting the Environment for Coordinating Agent Intentions -- CArtA gO: A Framework for Prototyping Artifact-Based Environments in MAS -- Mediated Interaction and Stigmergy -- Environment as Active Support of Interaction -- Environmental Support for Tag Interactions -- Cognitive Stigmergy: Towards a Framework Based on Agents and Artifacts -- Trace Signals: The Meanings of Stigmergy -- Regulation Function of the Environment in Agent-Based Simulation -- Governing Environment -- Establishing Global Properties of Multi-Agent Systems Via Local Laws -- E4MAS Through Electronic Institutions -- Spatially Distributed Normative Infrastructure -- Enhancing the Environment with a Law-Governed Service for Monitoring and Enforcing Behavior in Open Multi-Agent Systems -- Applications -- Urban Traffic Control with Co-Fields -- Designing Self-organising

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the Third International Workshop on Environments for Multiagent Systems, E4MAS 2006, held in Hakodate, Japan in May 2006 as an associated event of AAMAS 2006, the 5th International Joint Conference on Autonomous Agents and Multiagent Systems. The 15 revised papers presented were carefully reviewed and selected from the lectures given at the workshop completed by a number of invited papers of prominent researchers active in the domain. The papers are organized in topical sections on models, architecture, and design, mediated interaction and stigmery, governing environment, and applications.