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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Regular Papers -- Acts of Commanding and Changing Obligations -- Hierarchical Decision Making in Multi-agent Systems Using Answer Set Programming -- On a Linear Framework for Belief Dynamics in Multi-agent Environments -- Answer Set Programming for Representing and Reasoning About Virtual Institutions -- A Complete Probabilistic Belief Logic -- Prototyping 3APL in the Maude Term Rewriting Language -- Dialogue Game Tree with Nondeterministic Additive Consolidation -- Representing and Verifying Temporal Epistemic Properties in Multi-Agent Systems -- A New Logical Semantics for Agent Communication -- Contextual Reasoning in Agent Systems -- An Argumentation-Based Negotiation for Distributed Extended Logic Programs -- Belief Updating by Communication Channel -- On the Implementation of Global Abduction -- Adding Evolving Abilities to a Multi-Agent System --

Contest Papers -- The Second Contest on Multi-Agent Systems Based on Computational Logic -- Using Antimodels to Define Agents' Strategy -- Multi-Agent FLUX for the Gold Mining Domain (System Description) -- Using Jason to Implement a Team of Gold Miners.

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the 7th International Workshop on Computational Logic for Multi-Agent Systems, CLIMA VII, held in Hakodate, Japan, in May 2006 as an associated event of AAMAS 2006, the main international conference on autonomous agents and multi-agent systems. The series of workshops presents current work on application of general and declarative theories grounded on computational logic to multi-agent systems specification, semantics and procedures, and confronts ideas such as autonomy, deliberation, knowledge, commitment, openness, trust, with the computational logic paradigms. The 14 revised full technical papers, 4 contest papers were carefully selected from 29 submissions and went through two rounds of reviewing and improvement. The topics of the regular papers include agent reasoning, such as deontic reasoning, probabilistic reasoning, contextual reasoning, decision making and abduction, agent communication, such as argumentation and dialogue, agent architecture and verification of multi-agent systems. The contest papers describe implemented agent architectures solving the gold mining domain.
