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Collana	Lecture Notes in Artificial Intelligence ; ; 3904
Disciplina	006.3
Soggetti	Artificial intelligence Computer communication systems Software engineering Programming languages (Electronic computers) Computer logic Artificial Intelligence Computer Communication Networks Software Engineering Programming Languages, Compilers, Interpreters Logics and Meanings of Programs
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Agent Programming and Beliefs -- Beliefs in Agent Implementation -- Modelling Uncertainty in Agent Programming -- Complete Axiomatizations of Finite Syntactic Epistemic States -- Architectures and Logic Programming -- An Architecture for Rational Agents -- LAIMA: A Multi-agent Platform Using Ordered Choice Logic Programming -- A Distributed Architecture for Norm-Aware Agent Societies -- About Declarative Semantics of Logic-Based Agent Languages -- Knowledge Representation and Reasoning -- Goal Decomposition Tree: An Agent Model to Generate a Validated Agent Behaviour -- Resource-Bounded Belief Revision and Contraction -- Agent-Oriented Programming with Underlying Ontological Reasoning

-- Dynagent: An Incremental Forward-Chaining HTN Planning Agent in Dynamic Domains -- A Combination of Explicit and Deductive Knowledge with Branching Time: Completeness and Decidability Results -- Coordination and Model Checking -- An Intensional Programming Approach to Multi-agent Coordination in a Distributed Network of Agents -- A Tableau Method for Verifying Dialogue Game Protocols for Agent Communication.

Sommario/riassunto

The workshop on Declarative Agent Languages and Technologies is a well-established venue for researchers interested in sharing their experiences in the areas of declarative and formal aspects of agents and multi-agent systems, and in engineering and technology. Today it is still a challenge to develop technologies that can satisfy the requirements of complex agent systems. The design and development of multi-agent systems still calls for models and technologies that ensure predictability, enable feature discovery, allow for the verification of properties, and guarantee executability. Declarative approaches are potentially a valuable means for satisfying the needs of multi-agent system developers and for specifying multi-agent systems. DALT 2005, the third edition of the workshop, was held in Utrecht, The Netherlands, in July 2005, in conjunction with AAMAS 2005, the Fourth International Joint Conference on Agents and Multiagent Systems. Over 30 persons attended the workshop confirming the success of the previous editions in Melbourne 2003 (LNAI 2990) and New York 2004 (LNAI 3476). The workshop series is a forum of discussion aimed both at supporting the transfer of declarative paradigms and techniques into the broader community of agent researchers and practitioners, and at bringing the issues of designing real-world and complex agent systems to the attention of researchers working on declarative programming and technologies.
