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	Nota di contenuto	Agent theories, architectures, and languages: A survey -- Changing attitudes -- Guarantees for autonomy in cognitive agent architecture -- Multi-agent reasoning with belief contexts: the approach and a case study -- Toward a formal model of commitment for resource bounded agents -- Compositional formal specification of multi-agent systems -- Logical reorganization of DAI systems -- Logical formalization of concurrent actions for multi-agent systems -- Simulating animal societies with adaptive communicating agents -- This is myworld: The logic of an Agent-Oriented DAI testbed -- A knowledge level characterisation of multi-agent systems -- Towards anticipatory agents -- Integrated control and coordinated behavior: a case for agent models -- An agent architecture for distributed medical care -- A unified approach to intelligent agency -- Where there's a Will there's an agent -- Modeling reactive behaviour in vertically layered agent architectures -- Goal creation in motivated agents -- Agent-oriented programming for open systems -- Representing and executing agent-based systems -- April — Agent process interaction language -- DAISY: an object-oriented system for Distributed Artificial Intelligence

-- The PLACA agent programming language -- Roles, skills and behaviour: a situated action approach to organising systems of interacting agents -- Design of a concurrent agent-oriented language.

| Sommario/riassunto | This volume coherently present 24 thoroughly revised full papers accepted for the ECAI-94 Workshop on Agent Theories, Architectures, and Languages. There is currently considerable interest, from both the AI and the mainstream CS communities, in conceptualizing and building complex computer systems as collections of intelligent agents. This book is devoted to theoretical and practical aspects of architectural and language-related design and implementation issues of software agents. Particularly interesting is the comprehensive survey by the volume editors, which outlines the key issues and indicates, via a comprehensive bibliography, topics for further reading. In addition, a glossary of key terms in this emerging field and a comprehensive subject index is included. |