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Titolo	Agents and Multi-Agent Systems Formalisms, Methodologies, and Applications [[electronic resource]] : Based on the AI'97 Workshops on Commonsense Reasoning, Intelligent Agents, and Distributed Artificial Intelligence, Perth, Australia, December 1, 1997. // edited by Wayne Wobcke, Maurice Pagnucco, Chengqi Zhang
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Nota di contenuto	Specifying communicative multi-agent systems -- Making it up as they go along: A theory of reactive cooperation -- Agency and the logic of ability -- On the relation between interpreted systems and Kripke models -- Disjunctive logic programming and possible model semantics -- A non-monotonic ATMS based on annotated logic programs with strong negation -- Switching between reasoning and search -- The social dimension of interactions in multiagent systems -- Generating states of joint commitment between autonomous agents -- Social co-ordination among autonomous problem-solving agents -- An algorithm for plan verification in multiple agent systems -- A framework for coordination and learning among teams of agents -- An iterated hawk-and-dove game -- A game-theoretic solution of conflicts among competitive agents -- Transformation between the EMYCIN model and the Bayesian network -- Using multi-agent

approach for the design of an intelligent learning environment -- A case-based strategy for solution synthesis among cooperative expert systems.

Sommario/riassunto

This book constitutes the thoroughly refereed post-workshop proceedings of three workshops held in conjunction with the 10th Australian Joint Conference on Artificial Intelligence in Perth, Australia, in December 1997. The 17 revised full papers presented were carefully reviewed for inclusion in the book. The book is divided into sections on formal methods of agency, reasoning agents, communication and coordination, social interaction, and practical issues for distributed artificial intelligence systems.
