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| Soggetti                | Artificial intelligence<br>Trade<br>Business<br>Commerce<br>Computer science<br>Computer communication systems<br>Management information systems<br>Application software<br>Artificial Intelligence<br>Popular Computer Science<br>Computer Communication Networks<br>Management of Computing and Information Systems<br>Information Systems Applications (incl. Internet)  |
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| Nota di contenuto       | Electronic Negotiation Models for Agents -- Bilateral Negotiation Model for Agent-Mediated Electronic Commerce -- Multi-attribute Utility Theoretic Negotiation for Electronic Commerce -- On Constraint-Based Reasoning in e-Negotiation Agents -- Formal Issues for Agents that Operate on Electronic Market Places -- Integrating Interaction Protocols and Internet Protocols for Agent-Mediated E-Commerce -- Issues in the Design of Negotiation Protocols for Logic-Based Agent Communication Languages -- A Formal Description of a Practical Agent |

for E-Commerce -- Virtual Trading Institutions and Platforms -- A Platform for Electronic Commerce with Adaptive Agents -- Trading without Explicit Ontologies -- Customer Coalitions in Electronic Markets -- Trading Strategies for Interrelated Transactions -- Algorithm Design for Agents which Participate in Multiple Simultaneous Auctions -- Agent Strategies on DPB Auction Tournaments -- To Bid or Not To Bid Agent Strategies in Electronic Auction Games.

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## Sommario/riassunto

In this book we present a collection of papers around the topic of Agent-Mediated Electronic Commerce. Most of the papers originate from the third workshop on Agent-Mediated Electronic Commerce held in conjunction with the Autonomous Agents conference in June 2000. After two previous workshops, one during the Autonomous Agents conference in 1998 in Minneapolis and the second one in conjunction with the International Joint Conference On Artificial Intelligence in 1999, this workshop continued the tradition of the previous ones by setting the scene for the assessment of the challenges that Agent-Mediated Electronic Commerce faces as well as the opportunities it creates. By focusing on agent-mediated interactions, specialists from different disciplines were brought together who contribute theoretical and application perspectives in the narrowly focused topic that nevertheless involves wide ranging concerns such as: agent architectures, institutionalization, economic theory, modeling, legal frameworks and policy guidelines. The main topics for the workshop were: { Electronic negotiation models for agents { Formal issues for agents that operate in electronic market places { Virtual trading institutions and platforms { Trading strategies for interrelated transactions (respectively auctions) The workshop received 12 submissions of which 7 were selected for publication in this volume. Although the number of submissions was less than expected for an important area like agent-mediated electronic commerce there is no reason to worry that this area does not get enough attention from the agent community.

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